

SOUTHERN PACIFIC R.R. RECORDS

SACRAMENTO DIV.
ENGINEERING FIELD BOOKS

BERT VALENTE

IO #46

Vol.

FIELD BOOK

461

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100 00	0 44	100.00	0.87	99.99	1.31	89
1	99.98	1 75	99 98	2 18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99 92	3.93	99 91	4 36	99.88	4.80	87
3	99.86	5.23	99 84	5.67	99.81	6.10	99.79	6.54	86
4	99 76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99 54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99 25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16 50	98 56	16.93	80
10	98 48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19 51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21 64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24 62	96.81	25 04	96.70	25.46	75
15	96.59	25 88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27 98	95.88	28 40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30 07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35 43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38 67	67
23	92.05	39.07	91.88	39 47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89 69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48 86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.86	85.26	52.25	85.04	52.62	58
32	84.80	52 99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.68	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61 22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	

Published by the A. LIETZ Co., San Francisco, Cal.

473 from 103 FRCN

E. W. Valentine

Co. 1st Regt. 1st Div.

Calif.

apt. 14 Dept.

3+5540 3495

4+1340 4+31

4+7540 4+55

19

33

5

51

10' from Whistle Post

100 from 1035

Wemyre

514 1/2

1st St.

2+80

11-33

4+40

62+12

YE 8' 10"

150
6 pages

Norman

W.C. Billings

TABLE OF STADIA REDUCTIONS

For a Constant of 100.

ROD VERTICAL.

Min.	0°		1°		2°		3°		Min.	4°		5°		6°		7°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.		Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0°	100.00	00.97	1.74	99.88	3.40	99.73	5.23	0°	99.51	6.86	99.24	8.68	98.91	10.40	98.51	12.10	
2	100.00	06.97	1.80	99.87	3.55	99.72	5.28	2	99.51	7.02	99.23	8.74	98.90	10.55	98.48	12.15	
4	100.00	12.97	1.86	99.87	3.60	99.71	5.34	4	99.50	7.17	99.22	8.80	98.89	10.70	98.46	12.20	
6	100.00	17.96	1.92	99.87	3.66	99.71	5.40	6	99.49	7.32	99.21	8.86	98.88	10.85	98.46	12.25	
8	100.00	22.95	1.98	99.86	3.72	99.70	5.46	8	99.48	7.47	99.20	8.91	98.87	11.00	98.45	12.30	
10	100.00	27.94	2.04	99.86	3.78	99.69	5.52	10	99.47	7.62	99.19	8.97	98.85	11.15	98.44	12.35	
12	100.00	32.93	2.09	99.85	3.84	99.69	5.57	12	99.46	7.77	99.18	9.03	98.83	11.30	98.43	12.40	
14	100.00	37.92	2.15	99.85	3.90	99.68	5.63	14	99.45	7.92	99.17	9.08	98.82	11.45	98.42	12.45	
16	100.00	42.91	2.21	99.84	3.95	99.68	5.69	16	99.44	8.07	99.16	9.14	98.81	11.60	98.39	12.50	
18	100.00	47.90	2.27	99.84	4.01	99.67	5.75	18	99.44	8.22	99.15	9.20	98.78	11.75	98.37	12.55	
20	100.00	52.89	2.33	99.83	4.07	99.66	5.80	20	99.43	8.37	99.14	9.25	98.77	11.90	98.36	12.60	
22	100.00	57.88	2.38	99.83	4.13	99.66	5.86	22	99.42	8.52	99.13	9.31	98.76	12.05	98.35	12.65	
24	100.00	62.87	2.44	99.82	4.18	99.65	5.92	24	99.41	8.67	99.12	9.37	98.75	12.20	98.34	12.70	
26	99.99	67.86	2.50	99.82	4.24	99.64	5.98	26	99.40	8.82	99.11	9.43	98.74	12.35	98.33	12.75	
28	99.99	72.85	2.56	99.81	4.30	99.63	6.04	28	99.39	8.97	99.10	9.49	98.73	12.50	98.32	12.80	
30	99.99	77.84	2.62	99.81	4.36	99.63	6.09	30	99.38	9.12	99.09	9.54	98.72	12.65	98.31	12.85	
32	99.99	82.83	2.67	99.80	4.42	99.62	6.15	32	99.37	9.27	99.08	9.60	98.71	12.80	98.29	12.90	
34	99.99	87.82	2.73	99.80	4.48	99.62	6.21	34	99.37	9.42	99.07	9.65	98.70	12.95	98.28	12.95	
36	99.99	92.81	2.79	99.79	4.53	99.61	6.27	36	99.36	9.57	99.06	9.71	98.69	13.10	98.27	13.00	
38	99.99	97.80	2.85	99.79	4.59	99.60	6.33	38	99.36	9.72	99.05	9.77	98.68	13.25	98.26	13.05	
40	99.99	102.79	2.91	99.78	4.65	99.59	6.38	40	99.34	9.87	99.04	9.83	98.67	13.40	98.25	13.10	
42	99.99	107.78	2.97	99.78	4.71	99.59	6.44	42	99.33	10.02	99.03	9.89	98.66	13.55	98.24	13.15	
44	99.98	112.77	3.03	99.77	4.77	99.58	6.50	44	99.32	10.17	99.02	9.94	98.65	13.70	98.23	13.20	
46	99.98	117.76	3.09	99.77	4.83	99.57	6.56	46	99.30	10.32	99.01	10.00	98.64	13.85	98.22	13.25	
48	99.98	122.75	3.14	99.76	4.88	99.56	6.61	48	99.29	10.47	98.99	10.05	98.63	14.00	98.21	13.30	
50	99.98	127.74	3.20	99.76	4.94	99.56	6.67	50	99.28	10.62	98.97	10.11	98.62	14.15	98.20	13.35	
52	99.98	132.73	3.26	99.75	5.00	99.55	6.73	52	99.28	10.77	98.96	10.17	98.61	14.30	98.19	13.40	
54	99.98	137.72	3.31	99.74	5.05	99.54	6.78	54	99.27	10.92	98.95	10.22	98.60	14.45	98.18	13.45	
56	99.97	142.71	3.37	99.74	5.11	99.53	6.84	56	99.26	11.07	98.94	10.28	98.59	14.60	98.17	13.50	
58	99.97	147.70	3.43	99.73	5.17	99.53	6.90	58	99.25	11.22	98.93	10.34	98.58	14.75	98.16	13.55	
60	99.97	152.69	3.49	99.73	5.23	99.51	6.96	60	99.24	11.37	98.92	10.40	98.57	14.90	98.15	13.60	
c=75°	.75	.01	.75	.02	.75	.03	.75	c=75°	.75	.06	.75	.07	.75	.08	.74	.10	
c=115°	1.15	.01	1.15	.03	1.15	.05	1.15	c=115°	1.15	.09	1.14	.11	1.14	.13	1.14	.15	
c=190°	1.90	.02	1.90	.05	1.90	.08	1.90	c=190°	1.90	.15	1.89	.18	1.89	.21	1.88	.25	

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TABLE OF STADIA REDUCTIONS.—Continued.

Min.	8°			9°			10°			11°			12°			13°			14°			15°		
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0°	98.06	13.78	97.53	97.53	15.45	96.88	96.88	17.10	96.36	18.73	95.84	95.84	95.32	94.80	94.28	93.76	93.24	92.72	92.20	91.68	91.16	90.64	90.12	
1	98.05	13.84	97.52	97.52	15.51	96.87	96.87	17.16	96.35	18.79	95.83	95.83	95.31	94.79	94.27	93.75	93.23	92.71	92.19	91.67	91.15	90.63	90.11	
2	98.04	13.90	97.51	97.51	15.57	96.86	96.86	17.22	96.34	18.85	95.82	95.82	95.30	94.78	94.26	93.74	93.22	92.70	92.18	91.66	91.14	90.62	90.10	
3	98.03	13.96	97.50	97.50	15.63	96.85	96.85	17.28	96.33	18.91	95.81	95.81	95.29	94.77	94.25	93.73	93.21	92.69	92.17	91.65	91.13	90.61	90.09	
4	98.02	14.01	97.49	97.49	15.69	96.84	96.84	17.34	96.32	19.00	95.80	95.80	95.28	94.76	94.24	93.72	93.20	92.68	92.16	91.64	91.12	90.60	90.08	
5	98.01	14.06	97.48	97.48	15.75	96.83	96.83	17.40	96.31	19.06	95.79	95.79	95.27	94.75	94.23	93.71	93.19	92.67	92.15	91.63	91.11	90.59	90.07	
6	98.00	14.12	97.47	97.47	15.81	96.82	96.82	17.46	96.30	19.12	95.78	95.78	95.26	94.74	94.22	93.70	93.18	92.66	92.14	91.62	91.10	90.58	90.06	
7	97.99	14.17	97.46	97.46	15.87	96.81	96.81	17.52	96.29	19.18	95.77	95.77	95.25	94.73	94.21	93.69	93.17	92.65	92.13	91.61	91.09	90.57	90.05	
8	97.98	14.23	97.45	97.45	15.93	96.80	96.80	17.58	96.28	19.24	95.76	95.76	95.24	94.72	94.20	93.68	93.16	92.64	92.12	91.60	91.08	90.56	90.04	
9	97.97	14.28	97.44	97.44	15.99	96.79	96.79	17.64	96.27	19.30	95.75	95.75	95.23	94.71	94.19	93.67	93.15	92.63	92.11	91.59	91.07	90.55	90.03	
10	97.96	14.34	97.43	97.43	16.05	96.78	96.78	17.70	96.26	19.36	95.74	95.74	95.22	94.70	94.18	93.66	93.14	92.62	92.10	91.58	91.06	90.54	90.02	
11	97.95	14.39	97.42	97.42	16.11	96.77	96.77	17.76	96.25	19.42	95.73	95.73	95.21	94.69	94.17	93.65	93.13	92.61	92.09	91.57	91.05	90.53	90.01	
12	97.94	14.45	97.41	97.41	16.17	96.76	96.76	17.82	96.24	19.48	95.72	95.72	95.20	94.68	94.16	93.64	93.12	92.60	92.08	91.56	91.04	90.52	90.00	
13	97.93	14.51	97.40	97.40	16.23	96.75	96.75	17.88	96.23	19.54	95.71	95.71	95.19	94.67	94.15	93.63	93.11	92.59	92.07	91.55	91.03	90.51	89.99	
14	97.92	14.56	97.39	97.39	16.29	96.74	96.74	17.94	96.22	19.60	95.70	95.70	95.18	94.66	94.14	93.62	93.10	92.58	92.06	91.54	91.02	90.50	89.98	
15	97.91	14.62	97.38	97.38	16.35	96.73	96.73	18.00	96.21	19.66	95.69	95.69	95.17	94.65	94.13	93.61	93.09	92.57	92.05	91.53	91.01	90.49	89.97	
16	97.90	14.67	97.37	97.37	16.41	96.72	96.72	18.06	96.20	19.72	95.68	95.68	95.16	94.64	94.12	93.60	93.08	92.56	92.04	91.52	91.00	90.48	89.96	
17	97.89	14.73	97.36	97.36	16.47	96.71	96.71	18.12	96.19	19.78	95.67	95.67	95.15	94.63	94.11	93.59	93.07	92.55	92.03	91.51	90.99	90.47	89.95	
18	97.88	14.79	97.35	97.35	16.53	96.70	96.70	18.18	96.18	19.84	95.66	95.66	95.14	94.62	94.10	93.58	93.06	92.54	92.02	91.50	90.98	90.46	89.94	
19	97.87	14.85	97.34	97.34	16.59	96.69	96.69	18.24	96.17	19.90	95.65	95.65	95.13	94.61	94.09	93.57	93.05	92.53	92.01	91.49	90.97	90.45	89.93	
20	97.86	14.91	97.33	97.33	16.65	96.68	96.68	18.30	96.16	19.96	95.64	95.64	95.12	94.60	94.08	93.56	93.04	92.52	92.00	91.48	90.96	90.44	89.92	
21	97.85	14.96	97.32	97.32	16.71	96.67	96.67	18.36	96.15	20.02	95.63	95.63	95.11	94.59	94.07	93.55	93.03	92.51	91.99	91.47	90.95	90.43	89.91	
22	97.84	15.02	97.31	97.31	16.77	96.66	96.66	18.42	96.14	20.08	95.62	95.62	95.10	94.58	94.06	93.54	93.02	92.50	91.98	91.46	90.94	90.42	89.90	
23	97.83	15.08	97.30	97.30	16.83	96.65	96.65	18.48	96.13	20.14	95.61	95.61	95.09	94.57	94.05	93.53	93.01	92.49	91.97	91.45	90.93	90.41	89.89	
24	97.82	15.14	97.29	97.29	16.89	96.64	96.64	18.54	96.12	20.20	95.60	95.60	95.08	94.56	94.04	93.52	93.00	92.48	91.96	91.44	90.92	90.40	89.88	
25	97.81	15.20	97.28	97.28	16.95	96.63	96.63	18.60	96.11	20.26	95.59	95.59	95.07	94.55	94.03	93.51	92.99	92.47	91.95	91.43	90.91	90.39	89.87	
26	97.80	15.26	97.27	97.27	17.01	96.62	96.62	18.66	96.10	20.32	95.58	95.58	95.06	94.54	94.02	93.50	92.98	92.46	91.94	91.42	90.90	90.38	89.86	
27	97.79	15.32	97.26	97.26	17.07	96.61	96.61	18.72	96.09	20.38	95.57	95.57	95.05	94.53	94.01	93.49	92.97	92.45	91.93	91.41	90.89	90.37	89.85	
28	97.78	15.38	97.25	97.25	17.13	96.60	96.60	18.78	96.08	20.44	95.56	95.56	95.04	94.52	94.00	93.48	92.96	92.44	91.92	91.40	90.88	90.36	89.84	
29	97.77	15.44	97.24	97.24	17.19	96.59	96.59	18.84	96.07	20.50	95.55	95.55	95.03	94.51	93.99	93.47	92.95	92.43	91.91	91.39	90.87	90.35	89.83	
30	97.76	15.50	97.23	97.23	17.25	96.58	96.58	18.90	96.06	20.56	95.54	95.54	95.02	94.50	93.98	93.46	92.94	92.42	91.90	91.38	90.86	90.34	89.82	
31	97.75	15.56	97.22	97.22	17.31	96.57	96.57	18.96	96.05	20.62	95.53	95.53	95.01	94.49	93.97	93.45	92.93	92.41	91.89	91.37	90.85	90.33	89.81	
32	97.74	15.62	97.21	97.21	17.37	96.56	96.56	19.02	96.04	20.68	95.52	95.52	95.00	94.48	93.96	93.44	92.92	92.40	91.88	91.36	90.84	90.32	89.80	
33	97.73	15.68	97.20	97.20	17.43	96.55	96.55	19.08	96.03	20.74	95.51	95.51	94.99	94.47	93.95	93.43	92.91	92.39	91.87	91.35	90.83	90.31	89.79	
34	97.72	15.74	97.19	97.19	17.49	96.54	96.54	19.14	96.02	20.80	95.50	95.50	94.98	94.46	93.94	93.42	92.90	92.38	91.86	91.34	90.82	90.30	89.78	
35	97.71	15.80	97.18	97.18	17.55	96.53	96.53	19.20	96.01	20.86	95.49	95.49	94.97	94.45	93.93	93.41	92.89	92.37	91.85	91.33	90.81	90.29	89.77	
36	97.70	15.86	97.17	97.17	17.61	96.52	96.52	19.26	96.00	20.92	95.48	95.48	94.96	94.44	93.92	93.40	92.88	92.36	91.84	91.32	90.80	90.28	89.76	
37	97.69	15.92	97.16	97.16	17.67	96.51	96.51	19.32	95.99	20.98	95.47	95.47	94.95	94.43	93.91	93.39	92.87	92.35	91.83	91.31	90.79	90.27	89.75	
38	97.68	15.98	97.15	97.15	17.73	96.50	96.50	19.38	95.98	21.04	95.46	95.46	94.94	94.42	93.90	93.38	92.86	92.34	91.82	91.30	90.78	90.26	89.74	
39	97.67	16.04	97.14	97.14	17.79	96.49	96.49	19.44	95.97	21.10	95.45	95.45	94.93	94.41	93.89	93.37	92.85	92.33	91.81	91.29	90.77	90.25	89.73	
40	97.66	16.10	97.13	97.13	17.85	96.48	96.48	19.50	95.96	21.16	95.44	95.44	94.92	94.40	93.88	93.36	92.84	92.32	91.80	91.28	90.76	90.24	89.72	
41	97.65	16.16	97.12	97.12	17.91	96.47	96.47	19.56	95.95	21.22	95.43	95.43	94.91	94.39	93.87	93.35	92.83	92.31	91.79	91.27	90.75	90.23	89.71	
42	97.64	16.22	97.11	97.11	17.97	96.46	96.46	19.62	95.94	21.28	95.42	95.42	94.90	94.38	93.86	93.34	92.82	92.30	91.78	91.26	90.74	90.22	89.70	
43	97.63	16.28	97.10	97.10	18.03	96.45	96.45	19.68	95.93	21.34	95.41	95.41	94.89	94.37	93.85	93.33	92.81	92.29	91.77	91.25	90.73	90.21	89.69	
44	97.62	16.34	97.09	97.09	18.09	96.44	96.44	19.74	95.92	21.40	95.40	95.40	94.88	94.36	93.84	93.32	92.80	92.28	91.76	91.24	90.72	90.20	89.68	
45	97.61	16.40	97.08	97.08	18.15	96.43	96.43	19.80	95.91	21.46	95.39	95.39	94.87	94.35	93.83	93.31	92.79	92.27	91.75	91.23	90.71	90.19	89.67	
46	97.60	16.46	97.07	97.07	18.21	96.42	96.42	19.86	95.90	21.52	95.38	95.38	94.86	94.34	93.82	93.30	92.78	92.26	91.74	91.22	90.70	90.18	89.66	
47	97.59	16.52	97.06	97.06	18.27	96.41	96.41	19.92	95.89	21.58	95.37	95.37	94.85	94.33	93.81	93.29	92.77	92.25	91.73	91.21	90.69	90.17	89.65	
48	97.58	16.58	97.05	97.05	18.33	96.40	96.40	19.98	95.88	21.64	95.36	95.36	94.84	94.32	93.80									

TABLE OF STADIA REDUCTIONS.—Continued.

Min	16°			17°			18°			19°			Min	20°			21°			22°			23°		
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.		Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	
0°	92.40	26.50	91.45	91.25	28.25	90.34	90.07	29.00	89.00	31.28	88.08	32.41	0°	88.30	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
2	92.37	26.53	91.42	91.22	28.30	90.31	90.04	29.05	88.96	31.33	88.05	32.45	2	88.29	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
4	92.34	26.56	91.39	91.19	28.34	90.28	90.01	29.10	88.93	31.38	88.02	32.50	4	88.28	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
6	92.31	26.59	91.36	91.16	28.38	90.25	89.98	29.15	88.90	31.43	87.99	32.55	6	88.27	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
8	92.28	26.62	91.33	91.13	28.42	90.22	89.95	29.20	88.87	31.48	87.96	32.60	8	88.26	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
10	92.25	26.65	91.30	91.10	28.46	90.19	89.92	29.25	88.84	31.53	87.93	32.65	10	88.25	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
12	92.22	26.68	91.27	91.07	28.50	90.16	89.89	29.30	88.81	31.58	87.90	32.70	12	88.24	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
14	92.19	26.71	91.24	91.04	28.54	90.13	89.86	29.35	88.78	31.63	87.87	32.75	14	88.23	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
16	92.16	26.74	91.21	91.01	28.58	90.10	89.83	29.40	88.75	31.68	87.84	32.80	16	88.22	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
18	92.13	26.77	91.18	90.98	28.62	90.07	89.80	29.45	88.72	31.73	87.81	32.85	18	88.21	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
20	92.10	26.80	91.15	90.95	28.66	90.04	89.77	29.50	88.69	31.78	87.78	32.90	20	88.20	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
22	92.07	26.83	91.12	90.92	28.70	90.01	89.74	29.55	88.66	31.83	87.75	32.95	22	88.19	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
24	92.04	26.86	91.09	90.89	28.74	89.98	89.68	29.60	88.63	31.88	87.72	33.00	24	88.18	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
26	92.01	26.89	91.06	90.86	28.78	89.95	89.65	29.65	88.60	31.93	87.69	33.05	26	88.17	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
28	91.98	26.92	91.03	90.83	28.82	89.92	89.62	29.70	88.57	31.98	87.66	33.10	28	88.16	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
30	91.95	26.95	91.00	90.80	28.86	89.89	89.59	29.75	88.54	32.03	87.63	33.15	30	88.15	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
32	91.92	26.98	90.97	90.77	28.90	89.86	89.56	29.80	88.51	32.08	87.60	33.20	32	88.14	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
34	91.89	27.01	90.94	90.74	28.94	89.83	89.53	29.85	88.48	32.13	87.57	33.25	34	88.13	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
36	91.86	27.04	90.91	90.71	28.98	89.80	89.50	29.90	88.45	32.18	87.54	33.30	36	88.12	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
38	91.83	27.07	90.88	90.68	29.02	89.77	89.47	29.95	88.42	32.23	87.51	33.35	38	88.11	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
40	91.80	27.10	90.85	90.65	29.06	89.74	89.44	30.00	88.39	32.28	87.48	33.40	40	88.10	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
42	91.77	27.13	90.82	90.62	29.10	89.71	89.41	30.05	88.36	32.33	87.45	33.45	42	88.09	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
44	91.74	27.16	90.79	90.59	29.14	89.68	89.38	30.10	88.33	32.38	87.42	33.50	44	88.08	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
46	91.71	27.19	90.76	90.56	29.18	89.65	89.35	30.15	88.30	32.43	87.39	33.55	46	88.07	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
48	91.68	27.22	90.73	90.53	29.22	89.62	89.32	30.20	88.27	32.48	87.36	33.60	48	88.06	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
50	91.65	27.25	90.70	90.50	29.26	89.59	89.29	30.25	88.24	32.53	87.33	33.65	50	88.05	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
52	91.62	27.28	90.67	90.47	29.30	89.56	89.26	30.30	88.21	32.58	87.30	33.70	52	88.04	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
54	91.59	27.31	90.64	90.44	29.34	89.53	89.23	30.35	88.18	32.63	87.27	33.75	54	88.03	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
56	91.56	27.34	90.61	90.41	29.38	89.50	89.19	30.40	88.15	32.68	87.24	33.80	56	88.02	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
58	91.53	27.37	90.58	90.38	29.42	89.47	89.17	30.45	88.12	32.73	87.21	33.85	58	88.01	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
60	91.50	27.40	90.55	90.35	29.46	89.44	89.14	30.50	88.09	32.78	87.18	33.90	60	88.00	32.14	87.16	86.08	33.72	85.72	35.03	84.43	36.37	83.17	37.76	
c=75	72	21	72	23	71	74	76	74	71	76	78	76	c=75	76	25	70	77	74	79	76	80	77	80	77	
c=115	110	33	110	35	109	109	109	109	109	109	109	109	c=115	108	40	107	107	107	106	106	105	105	104	104	
c=180	182	54	181	57	180	180	180	180	180	180	180	180	c=180	178	65	177	177	177	176	176	175	174	174	173	

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TABLE OF STADIA REDUCTIONS.—Continued.

24°			25°			26°			27°			28°			29°			30°		
Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Hor. Dist.	Diff. Elev.	
0'.....	83.46	37.15	82.14	38.30	80.78	79.39	40.45	77.96	77.96	41.45	76.50	76.50	42.40	75.05	75.05	43.30	73.60	73.60	44.15	
1'.....	83.41	37.16	82.15	38.31	80.79	79.40	40.46	77.97	77.97	41.46	76.51	76.51	42.41	75.06	75.06	43.31	73.61	73.61	44.16	
2'.....	83.37	37.17	82.16	38.32	80.80	79.41	40.47	77.98	77.98	41.47	76.52	76.52	42.42	75.07	75.07	43.32	73.62	73.62	44.17	
3'.....	83.32	37.18	82.17	38.33	80.81	79.42	40.48	77.99	77.99	41.48	76.53	76.53	42.43	75.08	75.08	43.33	73.63	73.63	44.18	
4'.....	83.28	37.19	82.18	38.34	80.82	79.43	40.49	78.00	78.00	41.49	76.54	76.54	42.44	75.09	75.09	43.34	73.64	73.64	44.19	
5'.....	83.24	37.20	82.19	38.35	80.83	79.44	40.50	78.01	78.01	41.50	76.55	76.55	42.45	75.10	75.10	43.35	73.65	73.65	44.20	
6'.....	83.20	37.21	82.20	38.36	80.84	79.45	40.51	78.02	78.02	41.51	76.56	76.56	42.46	75.11	75.11	43.36	73.66	73.66	44.21	
7'.....	83.16	37.22	82.21	38.37	80.85	79.46	40.52	78.03	78.03	41.52	76.57	76.57	42.47	75.12	75.12	43.37	73.67	73.67	44.22	
8'.....	83.12	37.23	82.22	38.38	80.86	79.47	40.53	78.04	78.04	41.53	76.58	76.58	42.48	75.13	75.13	43.38	73.68	73.68	44.23	
9'.....	83.09	37.24	82.23	38.39	80.87	79.48	40.54	78.05	78.05	41.54	76.59	76.59	42.49	75.14	75.14	43.39	73.69	73.69	44.24	
10'.....	83.05	37.25	82.24	38.40	80.88	79.49	40.55	78.06	78.06	41.55	76.60	76.60	42.50	75.15	75.15	43.40	73.70	73.70	44.25	
11'.....	83.01	37.26	82.25	38.41	80.89	79.50	40.56	78.07	78.07	41.56	76.61	76.61	42.51	75.16	75.16	43.41	73.71	73.71	44.26	
12'.....	82.98	37.27	82.26	38.42	80.90	79.51	40.57	78.08	78.08	41.57	76.62	76.62	42.52	75.17	75.17	43.42	73.72	73.72	44.27	
13'.....	82.94	37.28	82.27	38.43	80.91	79.52	40.58	78.09	78.09	41.58	76.63	76.63	42.53	75.18	75.18	43.43	73.73	73.73	44.28	
14'.....	82.90	37.29	82.28	38.44	80.92	79.53	40.59	78.10	78.10	41.59	76.64	76.64	42.54	75.19	75.19	43.44	73.74	73.74	44.29	
15'.....	82.87	37.30	82.29	38.45	80.93	79.54	40.60	78.11	78.11	41.60	76.65	76.65	42.55	75.20	75.20	43.45	73.75	73.75	44.30	
16'.....	82.83	37.31	82.30	38.46	80.94	79.55	40.61	78.12	78.12	41.61	76.66	76.66	42.56	75.21	75.21	43.46	73.76	73.76	44.31	
17'.....	82.80	37.32	82.31	38.47	80.95	79.56	40.62	78.13	78.13	41.62	76.67	76.67	42.57	75.22	75.22	43.47	73.77	73.77	44.32	
18'.....	82.76	37.33	82.32	38.48	80.96	79.57	40.63	78.14	78.14	41.63	76.68	76.68	42.58	75.23	75.23	43.48	73.78	73.78	44.33	
19'.....	82.73	37.34	82.33	38.49	80.97	79.58	40.64	78.15	78.15	41.64	76.69	76.69	42.59	75.24	75.24	43.49	73.79	73.79	44.34	
20'.....	82.69	37.35	82.34	38.50	80.98	79.59	40.65	78.16	78.16	41.65	76.70	76.70	42.60	75.25	75.25	43.50	73.80	73.80	44.35	
21'.....	82.66	37.36	82.35	38.51	80.99	79.60	40.66	78.17	78.17	41.66	76.71	76.71	42.61	75.26	75.26	43.51	73.81	73.81	44.36	
22'.....	82.62	37.37	82.36	38.52	81.00	79.61	40.67	78.18	78.18	41.67	76.72	76.72	42.62	75.27	75.27	43.52	73.82	73.82	44.37	
23'.....	82.59	37.38	82.37	38.53	81.01	79.62	40.68	78.19	78.19	41.68	76.73	76.73	42.63	75.28	75.28	43.53	73.83	73.83	44.38	
24'.....	82.55	37.39	82.38	38.54	81.02	79.63	40.69	78.20	78.20	41.69	76.74	76.74	42.64	75.29	75.29	43.54	73.84	73.84	44.39	
25'.....	82.52	37.40	82.39	38.55	81.03	79.64	40.70	78.21	78.21	41.70	76.75	76.75	42.65	75.30	75.30	43.55	73.85	73.85	44.40	
26'.....	82.48	37.41	82.40	38.56	81.04	79.65	40.71	78.22	78.22	41.71	76.76	76.76	42.66	75.31	75.31	43.56	73.86	73.86	44.41	
27'.....	82.45	37.42	82.41	38.57	81.05	79.66	40.72	78.23	78.23	41.72	76.77	76.77	42.67	75.32	75.32	43.57	73.87	73.87	44.42	
28'.....	82.42	37.43	82.42	38.58	81.06	79.67	40.73	78.24	78.24	41.73	76.78	76.78	42.68	75.33	75.33	43.58	73.88	73.88	44.43	
29'.....	82.38	37.44	82.43	38.59	81.07	79.68	40.74	78.25	78.25	41.74	76.79	76.79	42.69	75.34	75.34	43.59	73.89	73.89	44.44	
30'.....	82.35	37.45	82.44	38.60	81.08	79.69	40.75	78.26	78.26	41.75	76.80	76.80	42.70	75.35	75.35	43.60	73.90	73.90	44.45	
31'.....	82.32	37.46	82.45	38.61	81.09	79.70	40.76	78.27	78.27	41.76	76.81	76.81	42.71	75.36	75.36	43.61	73.91	73.91	44.46	
32'.....	82.29	37.47	82.46	38.62	81.10	79.71	40.77	78.28	78.28	41.77	76.82	76.82	42.72	75.37	75.37	43.62	73.92	73.92	44.47	
33'.....	82.25	37.48	82.47	38.63	81.11	79.72	40.78	78.29	78.29	41.78	76.83	76.83	42.73	75.38	75.38	43.63	73.93	73.93	44.48	
34'.....	82.22	37.49	82.48	38.64	81.12	79.73	40.79	78.30	78.30	41.79	76.84	76.84	42.74	75.39	75.39	43.64	73.94	73.94	44.49	
35'.....	82.19	37.50	82.49	38.65	81.13	79.74	40.80	78.31	78.31	41.80	76.85	76.85	42.75	75.40	75.40	43.65	73.95	73.95	44.50	
36'.....	82.16	37.51	82.50	38.66	81.14	79.75	40.81	78.32	78.32	41.81	76.86	76.86	42.76	75.41	75.41	43.66	73.96	73.96	44.51	
37'.....	82.13	37.52	82.51	38.67	81.15	79.76	40.82	78.33	78.33	41.82	76.87	76.87	42.77	75.42	75.42	43.67	73.97	73.97	44.52	
38'.....	82.09	37.53	82.52	38.68	81.16	79.77	40.83	78.34	78.34	41.83	76.88	76.88	42.78	75.43	75.43	43.68	73.98	73.98	44.53	
39'.....	82.06	37.54	82.53	38.69	81.17	79.78	40.84	78.35	78.35	41.84	76.89	76.89	42.79	75.44	75.44	43.69	73.99	73.99	44.54	
40'.....	82.03	37.55	82.54	38.70	81.18	79.79	40.85	78.36	78.36	41.85	76.90	76.90	42.80	75.45	75.45	43.70	74.00	74.00	44.55	
41'.....	82.00	37.56	82.55	38.71	81.19	79.80	40.86	78.37	78.37	41.86	76.91	76.91	42.81	75.46	75.46	43.71	74.01	74.01	44.56	
42'.....	81.97	37.57	82.56	38.72	81.20	79.81	40.87	78.38	78.38	41.87	76.92	76.92	42.82	75.47	75.47	43.72	74.02	74.02	44.57	
43'.....	81.94	37.58	82.57	38.73	81.21	79.82	40.88	78.39	78.39	41.88	76.93	76.93	42.83	75.48	75.48	43.73	74.03	74.03	44.58	
44'.....	81.91	37.59	82.58	38.74	81.22	79.83	40.89	78.40	78.40	41.89	76.94	76.94	42.84	75.49	75.49	43.74	74.04	74.04	44.59	
45'.....	81.88	37.60	82.59	38.75	81.23	79.84	40.90	78.41	78.41	41.90	76.95	76.95	42.85	75.50	75.50	43.75	74.05	74.05	44.60	
46'.....	81.85	37.61	82.60	38.76	81.24	79.85	40.91	78.42	78.42	41.91	76.96	76.96	42.86	75.51	75.51	43.76	74.06	74.06	44.61	
47'.....	81.82	37.62	82.61	38.77	81.25	79.86	40.92	78.43	78.43	41.92	76.97	76.97	42.87	75.52	75.52	43.77	74.07	74.07	44.62	
48'.....	81.79	37.63	82.62	38.78	81.26	79.87	40.93	78.44	78.44	41.93	76.98	76.98	42.88	75.53	75.53	43.78	74.08	74.08	44.63	
49'.....	81.76	37.64	82.63	38.79	81.27	79.88	40.94	78.45	78.45	41.94	76.99	76.99	42.89	75.54	75.54	43.79	74.09	74.09	44.64	
50'.....	81.73	37.65	82.64	38.80	81.28	79.89	40.95	78.46	78.46	41.95	77.00	77.00	42.90	75.55	75.55	43.80	74.10	74.10	44.65	
51'.....	81.70	37.66	82.65	38.81	81.29	79.90	40.96	78.47	78.47	41.96	77.01	77.01	42.91	75.56	75.56	43.81	74.11	74.11	44.66	
52'.....	81.67	37.67	82.66	38.82	81.30	79.91	40.97	78.48	78.48	41.97	77.02	77.02	42.92	75.57	75.57	43.82	74.12	74.12	44.67	
53'.....	81.64	37.68	82.67	38.83	81.31	79.92	40.98	78.49	78.49	41.98	77.03	77.03	42.93	75.58	75.58	43.83	74.13	74.13	44.68	
54'.....	81.61	37.69	82.68	38.84	81.32	79.93	40.99	78.50	78.50	41.99	77.04	77.04	42.94	75.59	75.59	43.84	74.14	74.14	44.69	
55'.....	81.58	37.70	82.69	38.85	81.33	79.94	41.00	78.51	78.51	42.00	77.05	77.05	42.95	75.60	75.60	43.85	74.15	74.15	44.70	
56'.....	81.55	37.71	82.70	38.86	81.34	79.95	41.01	78.52	78.52	42.01	77.06	77.06	42.96	75.61	75.61	43.86	74.16	74.16	44.71	
57'.....	81.52	37.72	82.71	38.87	81.35	79.96	41.02	78.53	78.53	42.02	77.07	77.07	42.97	75.62	75.62	43.87	74.17	74.17	44.72	
58'.....	81.																			

3395+82 W. Face of Red Cross Canteen

48' out from Main line left. Frontage

32' depth 26' 4' Ears front + back

15- 18" x 34" Windows

15- 6" x 18" . . .

4- 24" x 26" . . .

4- 28" x 16" . . .

6- Doors with 24" x 24" Windows

Croam 75' from East Face of Pyrite

Fruit Growers Assn Pile 45' long.

P.F. + E Fruit Shed Walnut Grove

105' From E.F. of Depot Platform 100x20

Windmill 20' out

$$\begin{array}{r} -27 \quad -47 \\ 7 \quad 18 \end{array}$$

$$\begin{array}{r} 0 \\ 1 \end{array} + 11$$

2

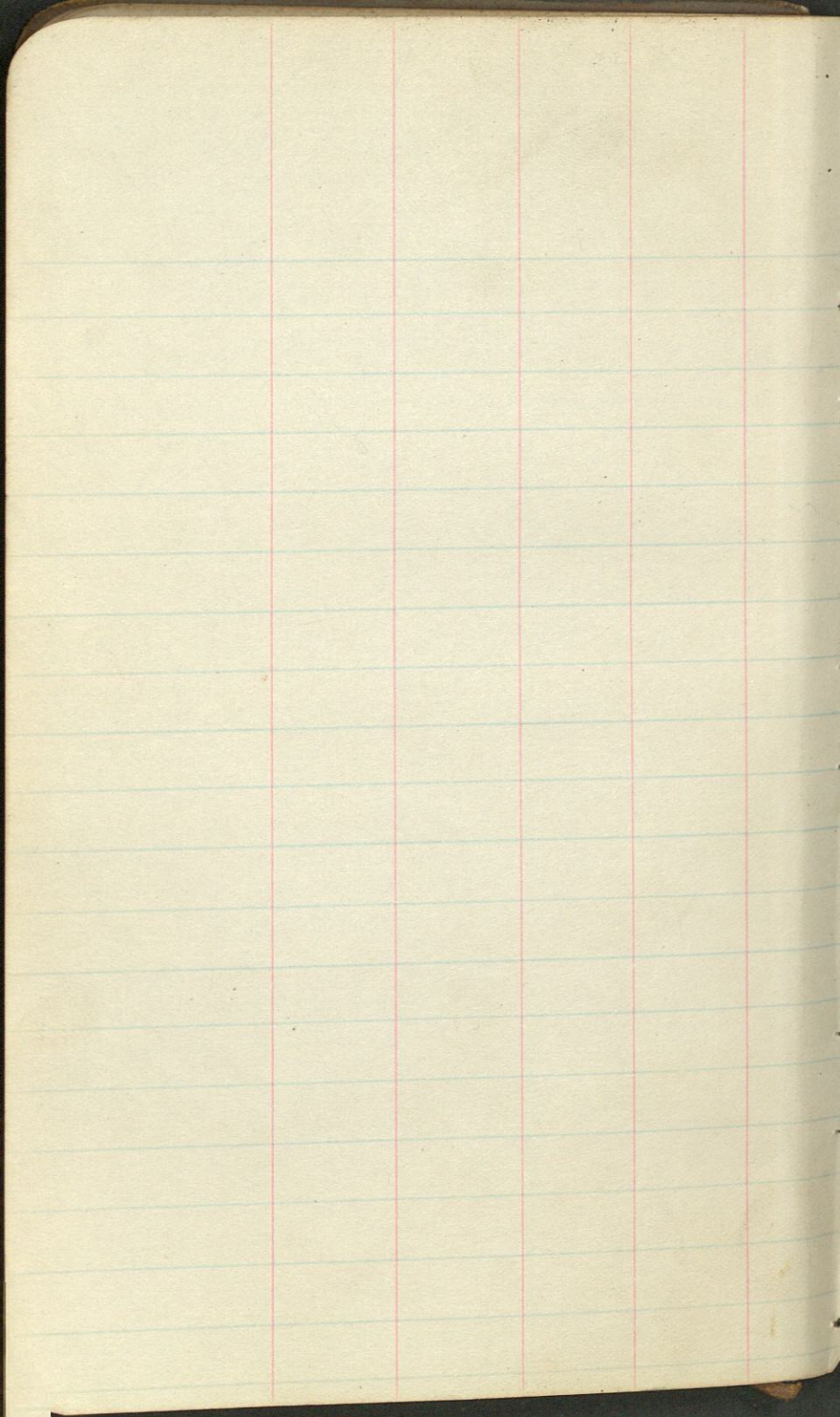
0+00 South 1/2 Face of Depot Initial Pt.

$$0+85 \quad \frac{55}{6} \quad \frac{7^2}{30}$$

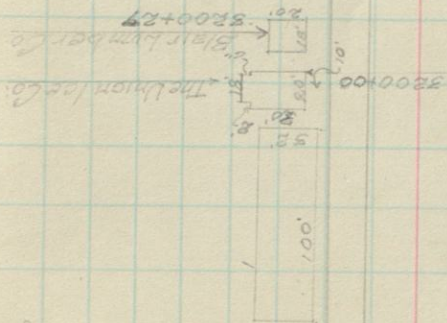
$$1+05 \quad \frac{4^2}{5} \quad \frac{4^2}{5} \quad \frac{-0^2}{7} \quad \frac{-0^2}{27} \quad \frac{-10^2}{50} \quad \frac{-0^2}{70}$$

$$1+55 \quad \frac{15}{6} \quad \frac{15}{6} \quad \frac{-0^2}{7} \quad \frac{-1^2}{27} \quad \frac{-1^2}{50} \quad \frac{0^2}{70}$$

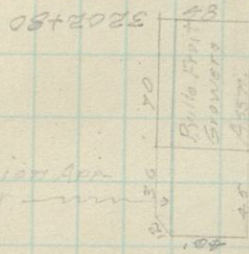
$$2+00 \quad \frac{13}{6} \quad \frac{13}{6} \quad \frac{-0^2}{7} \quad \frac{-1^2}{27} \quad \frac{-0^2}{50} \quad \frac{-0^2}{70}$$



Placerville



Extension App
Hod For



Hartmann

Creek



500 Volts 25' Poles

Northern Calif Power Co. Willow
Overhead Power X-ing.

3116+30 144C Initial Pt

3114+90 Pole 53' Out L

3114+86 .. 48' .. L

3114+32 .. 48' .. R

3114+25 .. 51' .. R

3114+82 Proposed Overhead X-ing

312 From 149C

0+00 ~~3354+76~~ 149B Initial Pt

0+27 Pole 51' Out L

0+33 Pole 48' .. L

0+84 Pole 48' .. R

0+90 Pole 51' .. R

50' West of 149C. Pro Overhead X-ing

4

C. Bartlett Dist. Mgr.
Corning Calif.

Rec. #1500 Knights Landing
Overhead Tel. X-ing

94 D 0+00

1004+42

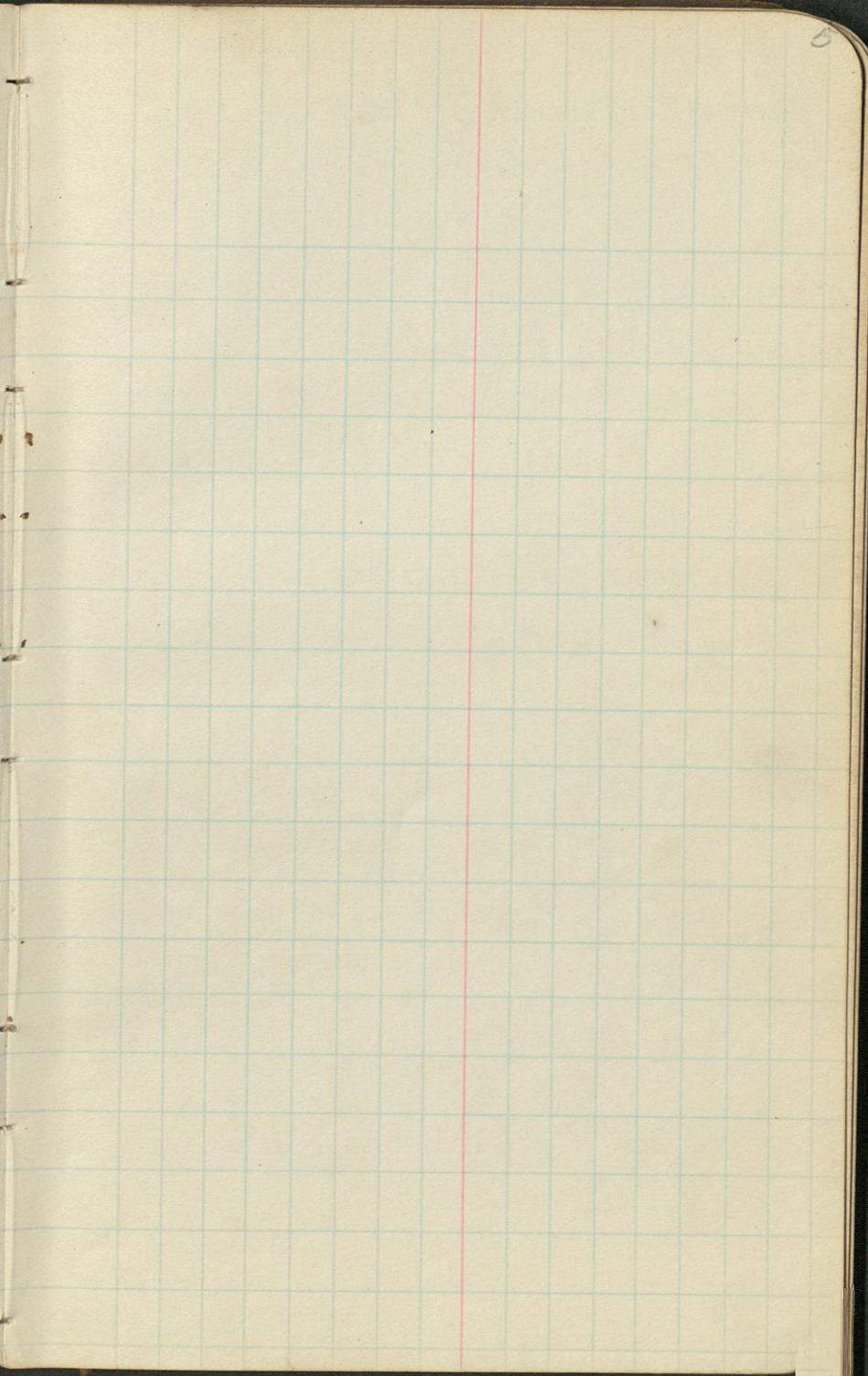
Pole 14' Out 15' 45' Pole

1004+00

Line Crosses Track

1003+00

Pole 75' Out R.



Dept. of The Interior U.S. Rec. Service

Molton to Orland

4373+05	E. Face of 168 B	168A
4394+37	4 36" Con Box	168E
4383+54	4 30" Con Pipe	168C
4358+00	4 36" Syphon Con.	168A
4308+09 ²	4 Syphon Con.	167C
4256+83	4 30" Pipe Con.	166B
4246+53	4 Syphon Con.	166A
4393+30 ²	4 8x4 Con. Culvert	168D

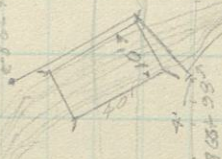
Natomas, Ca. Underground Tel. Xing
Form Building

15' from fence to E. face of Vert
20' to Highway

East of Citrus

866+78 100' OUT

Road



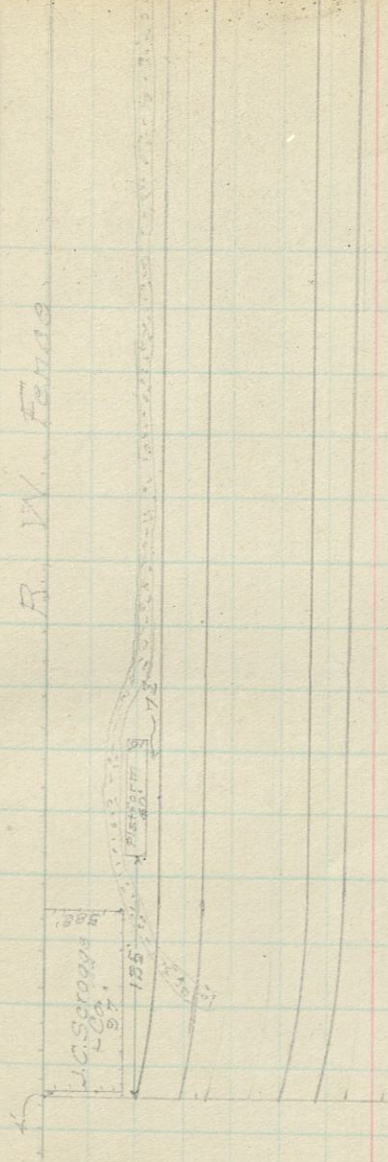
Felgorn

867+15
868+55
869+15
870+15
871+15
872+15
873+15
874+15
875+15
876+15
877+15
878+15
879+15
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994+15
995+15
996+15
997+15
998+15
999+15
1000+15

Buffalo Creek

500 to

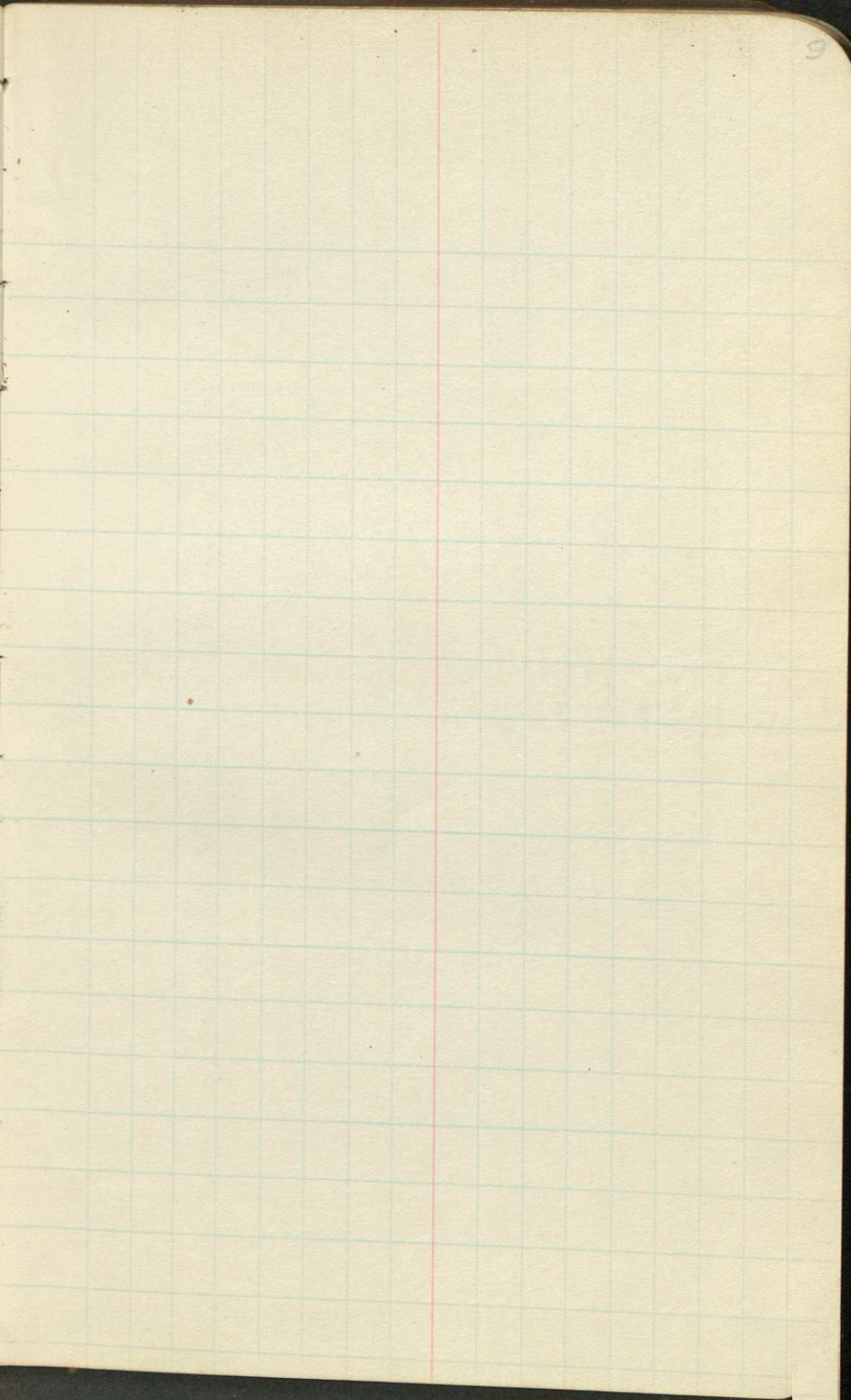
Shaw-Baker Platform
R. W. Fence



45

THIRD

Oil Pipe 390' from E. Face Chandler Depot



55 Poles

Co. has permit from E. L. King to use our poles

West of Orville

W. R. Telephone Line

172M 451K

Role

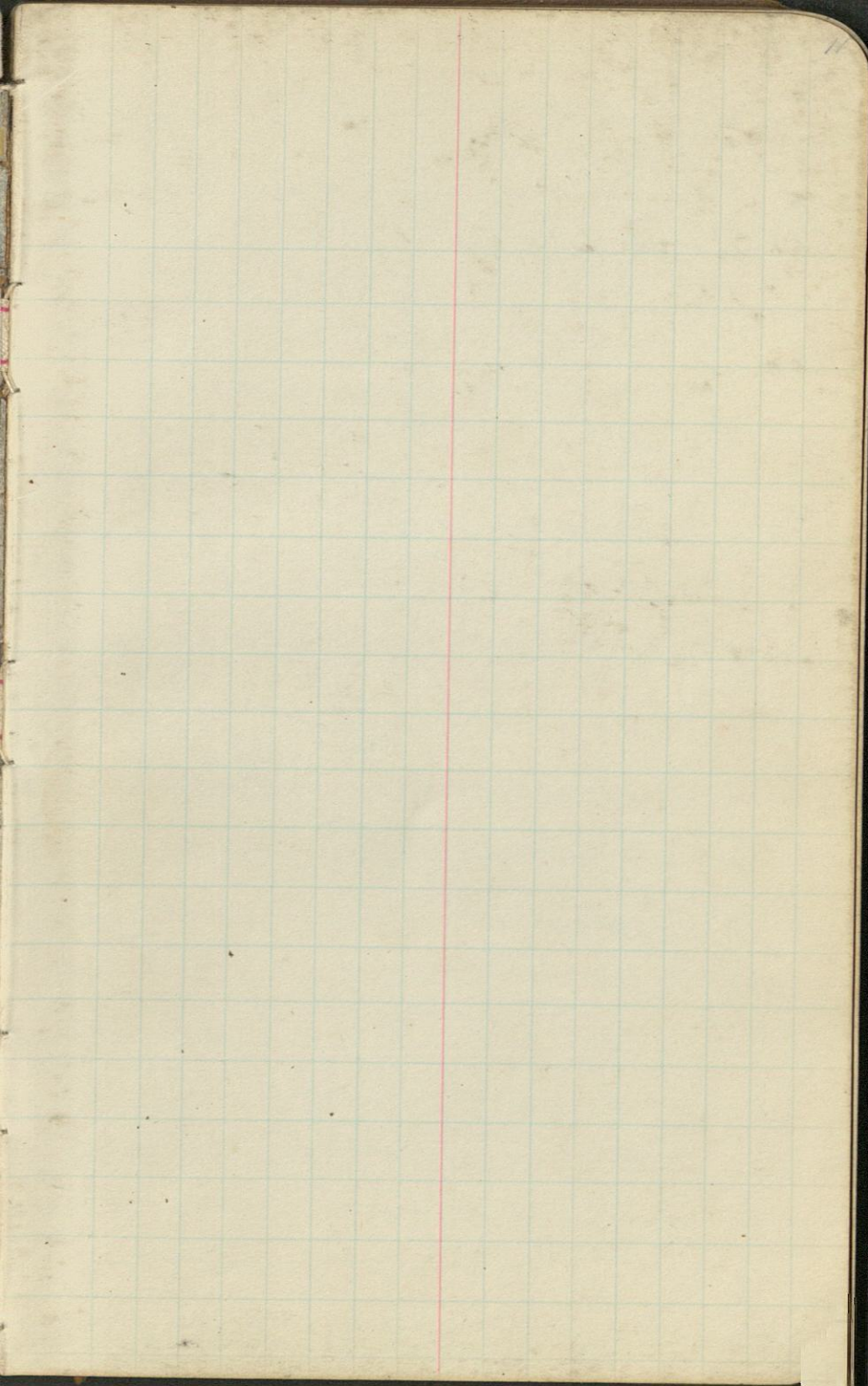
3 + 30
5 + 25

10

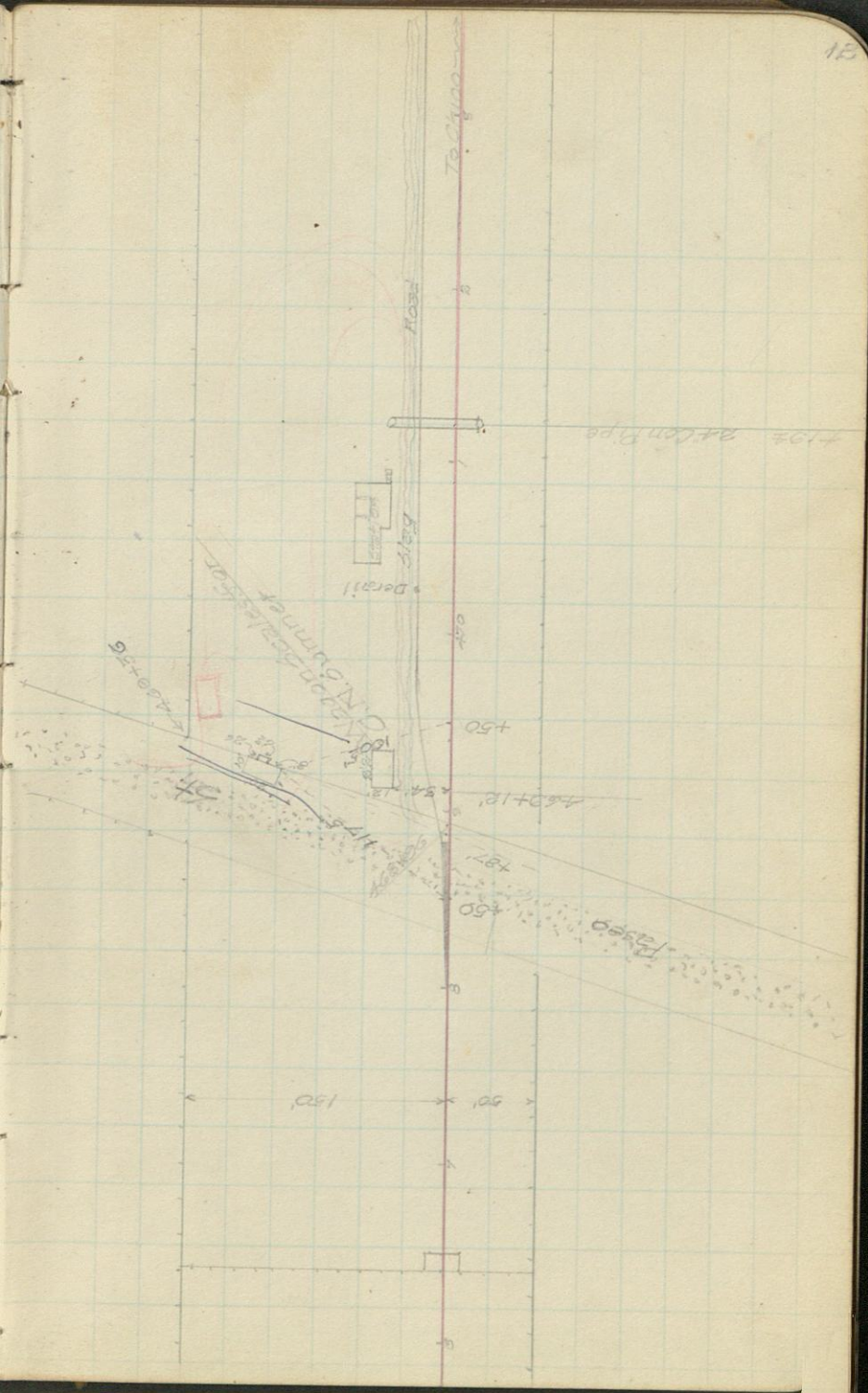
44-MR
yard with

H.E. Butler

205 x 98



C.N. Summer Live Oak Camp



East of Antelope

Overhead Power Line
P. S. E. Co.

1925

P. S. E. Co.

Signal

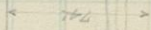
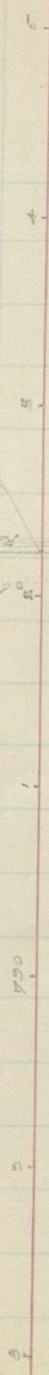
74

Road

County

P. S. E. Power Line

Gustub



New Castle

10+722 21424

0+30

1+22

108

Manhole

Ditch

0+50

Bar

1+33

0+63

0+28

0+56

0+10

0+00

New Castle

U.F. Co.

Center Ave
51+76 440

Clara B. Lord To S & C Southern
ern R R Co. Bargain and
Sale Deed. This Indenture
Made the 27th day of June
(1904,) Between Mrs Clara B
Lord (widow) of Walnut Cr.
County of Sacto, State of
Calif., the part of the first
part, and S & C Southern Rail-
road Company, a Corporation,
Created, organized and ex-
isting under and by virt-
ue of the laws of the
State of Calif., the party of
the second part, witnesseth
; that the said party of
the first part, for and
in consideration of the
sum of Ten dollars, and

gold coin of the United States of America, to her in hand paid by the said party of the second part, the receipt whereof is here by acknowledged, does by these presents, Grant, Bargain and sell, Convey and Confirm, unto the said party of the second part, and to its successors ^{and} assigns forever, all that Certain lot, piece of parcel of land, situated, lying and being, in the township of Georgiana, County of Sacramento State of Calif. bounded and

particularly described as follows, to wit: A track or strip of land lying and being on each side of the located center line of the Sacramento Southern Railroad Company's proposed railroad where the same is located over the land of first party here to and marked by stakes set in the ground the year of our Lord 1906, and more particularly described as follows to wit: Commencing for the same at the point where the said located center line intersects

with the northerly boundary
line of the property of the
first party here to at
Eng. Survey station known
as and called E 1434 + 15^e
said point of intersection of
said located center line
with the said northerly property
line being five hundred and
nine (509) feet westerly from
the southeast corner of
land of Alexander Brown
measured on and along
said northerly line of
said first parties, thence
south 35° 56' west of the
Southerly Boundary line of
said first party at Eng. Survey
Station, known as and

called E 1450+96, and embracing all the land lying within fifty (50) feet of said located center line on the east side and embracing all the land lying within one hundred and seventy seven (177) feet, of said located center line from point of commencement for a distance of seven hundred and twenty four and two tenths ($724\frac{2}{10}$) feet, ~~thence~~ ^{from} thence from last named point, embracing all the land lying within seventy (70) feet of said located line to the Southern Boundary line on the west side, and containing an area of six

and fortythree hundredths. (6.43)
Acres, more or less. Said
second party shall construct
and maintain two under-
grade road crossings at such
point as first party may
designate and shall also
place in the grade of said sec-
ond party three pipes for drain-
age and irrigation purposes
at points designated by
first party. Second party
shall bore a well for stock
water at new location of
barber to a depth ^{where} ~~the~~ good
and sufficient water is
found not to exceed one
hundred feet in depth said
well to be cased. First

party shall move her barn,
buggy shed and corral
from the here in conveyed
strip of land at her own
expense, within sixty days.
Said second party shall
locate its Walnut Grove
depot on track here in
Conveyed. Together with
all and singular the
Tenements, hereditaments
and appurtenances there
unto belonging, or in
any way appertaining, and
the reversion and reversions,
remainder and remainders,
rents, issues and profits
there of, To have and to
hold, all and singular

The said premises, together with appurtenances, unto the said party of the second part, and to its successors and assigns forever. In Witness Whereof, the said party of the first part has hereunto set her hand and seal the day and year first above written. Mrs Clara Bland (Seal) Signed, sealed and delivered in the presence of C. A. Harris.

State of California. Sacto
County of Sacramento 55

On this first day of July A.D. 1907, before me, J. H. Miller, a notary public in and for

said Sacramento County,
residing therein, duly Commissioner
and sworn, personally appeared
C. A. Harp, known to me to be
the same person whose name
is subscribed to the within
instrument, as a witness
thereto, who, being by me
duly sworn, deposed and said,
that he resides in the City
of Stockton, County of San Joaquin
~~State~~ of California, that he was
present and saw Mrs Clara B.
Lord (widow), personally known
to him to be the same person
described in, whose name is
subscribed to and who executed
the said instrument as a
party thereto, signed the

same, and that he, the
affiant, then and there subscribed
his name to said In-
strument as a witness.

In Witness whereof, I have
hereunto set my hand and
affixed my official seal, at
my office in the City and County
of Sacramento, the day and
year in this Certificate first
above written. J. H. Miller,
Notary Public in and for the
County of Sacramento, State of
California. (Seal)

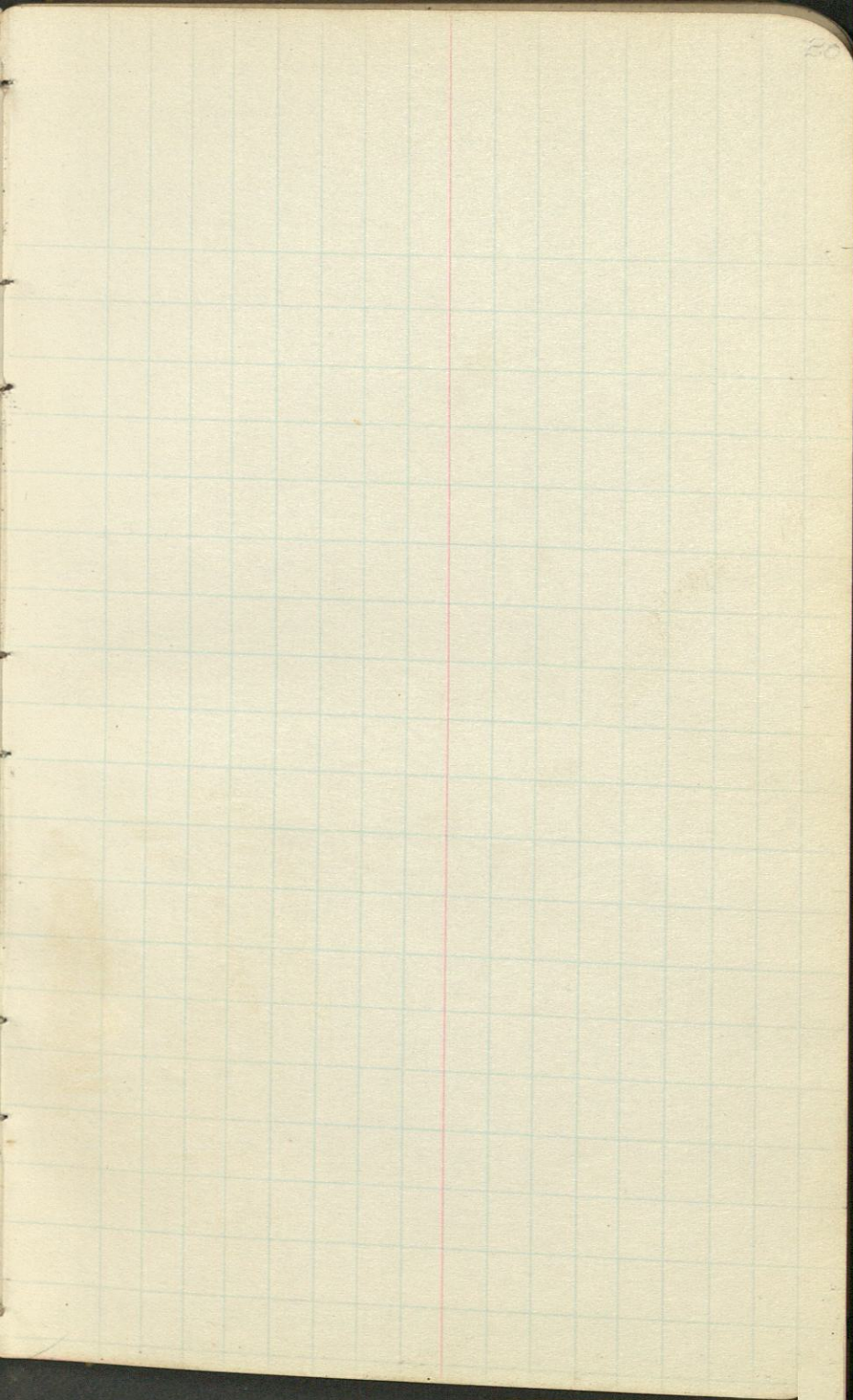
Recorded at the request of
Wells, Fargo Co., Sept. 27 1907,
at ten h. 24 min. A.M.

Dutch Flat

N.N. Smith Dutch Flat

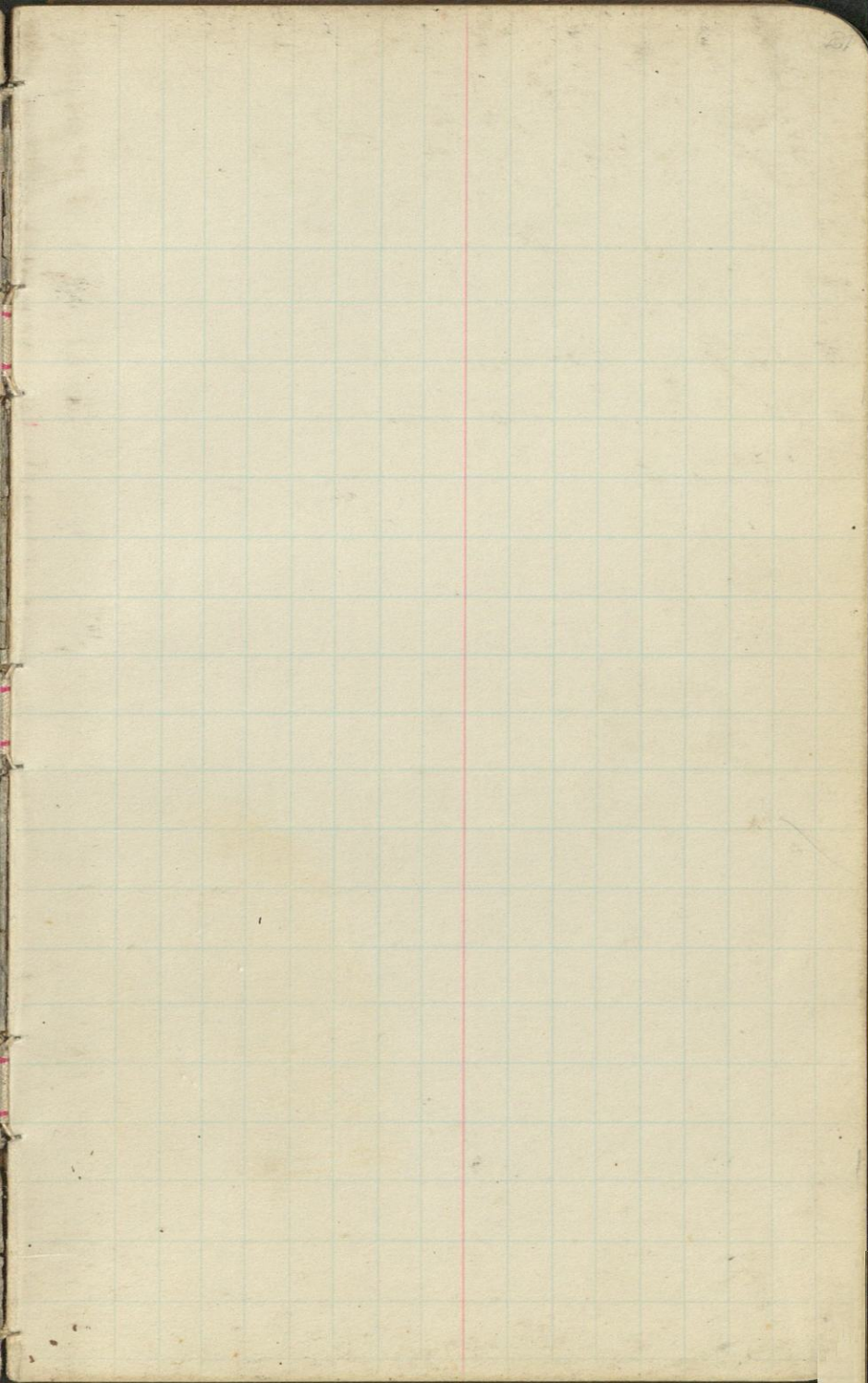
3551+⁵⁹55 61' Out 2'x8' Direction S. 77° Right

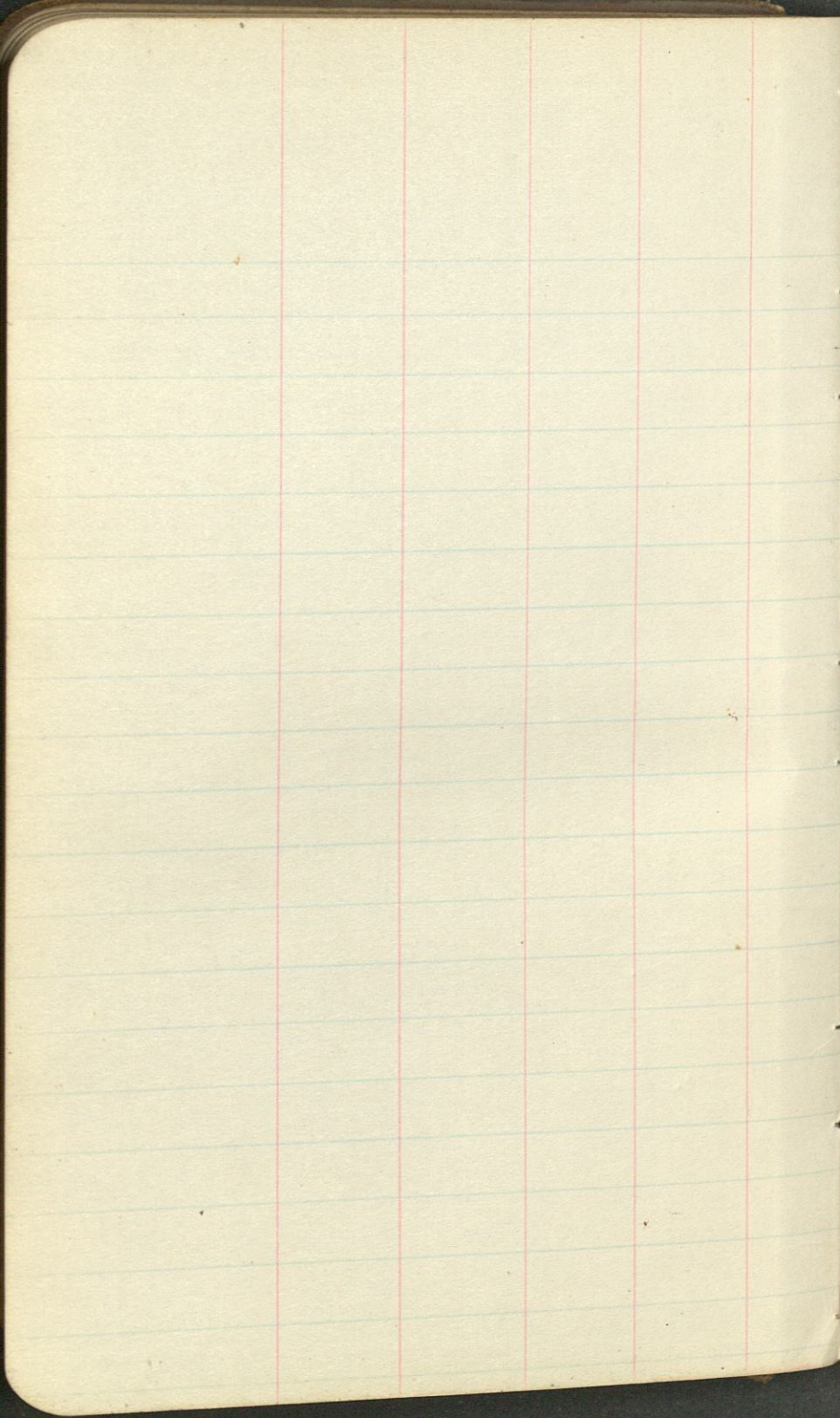
3553+17 32' Out Right



West of Applegate

302' East from West Portal of Tunnel #22
60000 Volt Power line at Rt. Angles
Yukon Gold Co. Inc. laws of Minn.
P.O. Address Drawer





on to Sacto

2500 Brd. Way

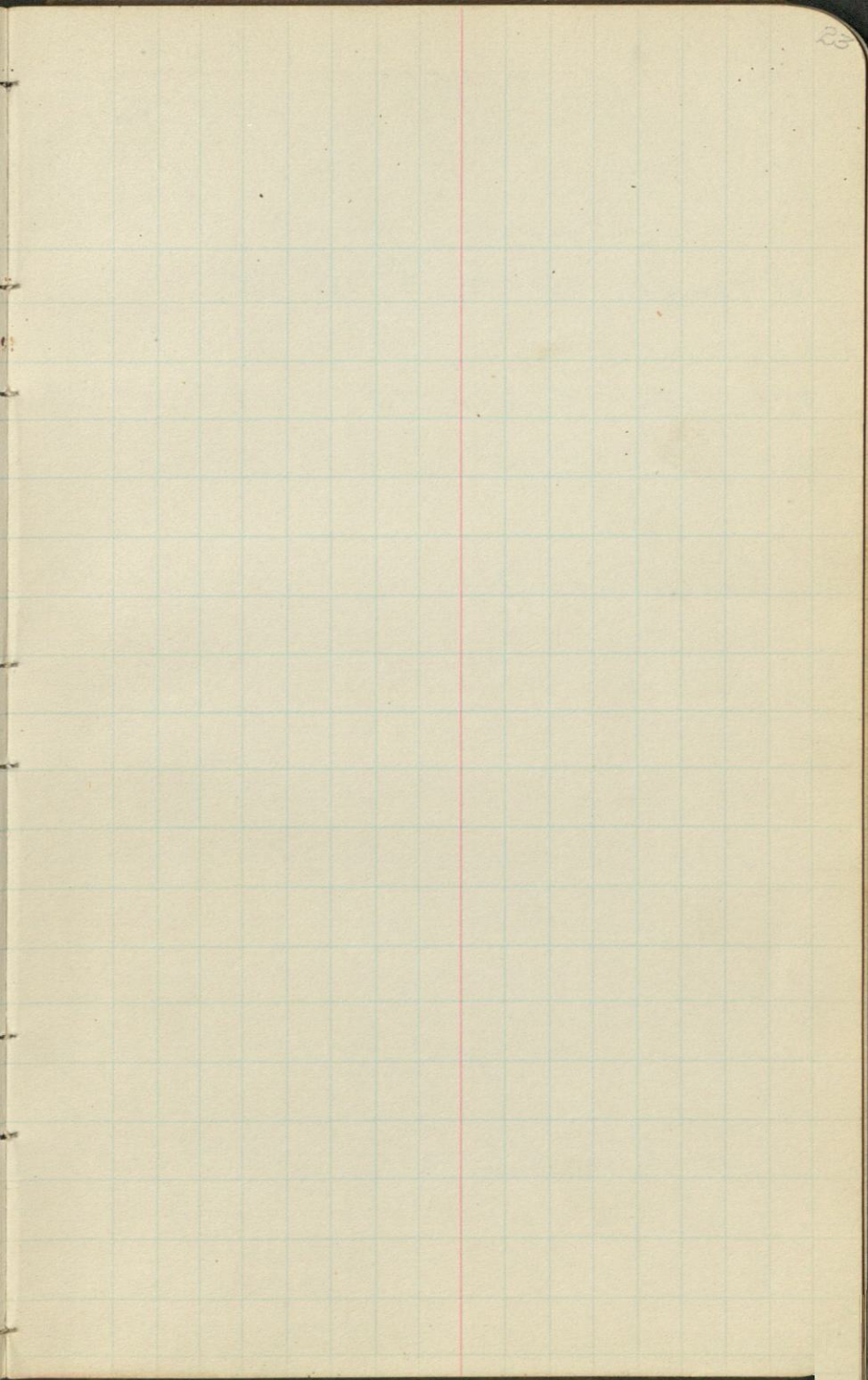
Towle

3" W.I. Water Pipe Xings for Mrs. F. A. Towle

3705+57 3" Water Pipe Xing at Rk 15

3718+15 3" W.I. Water Pipe Xing at Rk 15

Mrs. F. A. Towle 2500 Brd. Way S.E.



10 E
19'

Orland

4 Track

41 77+80 $\frac{0}{8}$ $\frac{0}{5}$ $\frac{-0.6}{7}$ $\frac{-0.2}{12}$ $\frac{-1.2}{17}$

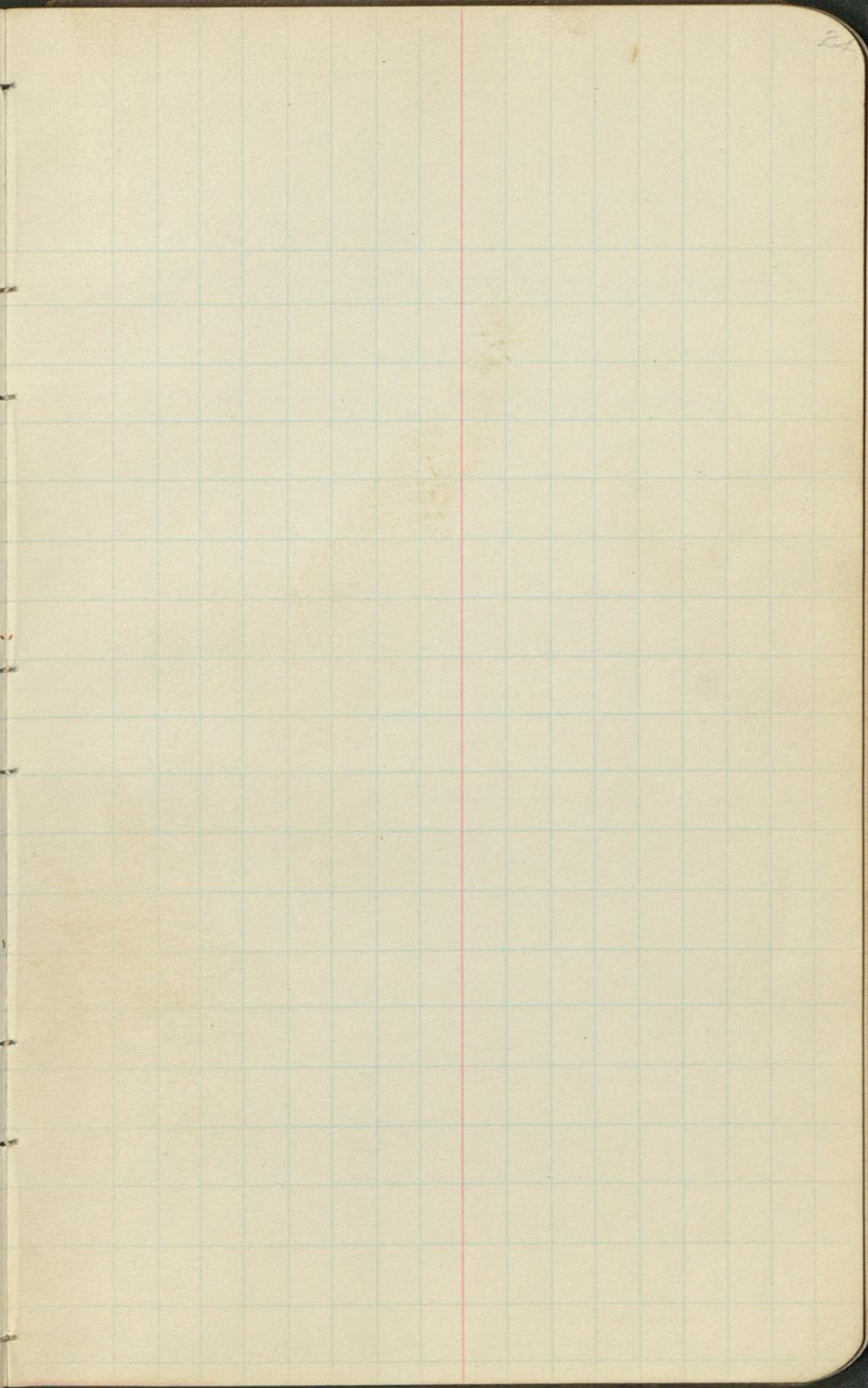
41 77+87 Fence

41 77+86 East face of chute

W. H. Linbarger

Orland.

M. P. 112 Water Pipe on R. W.



$$57^{\circ} + 42^{\frac{+}{-}}$$

84E 476+812 Pit. 66. I. 14.

479+01 Sp. 5. W.

480+23² Sp. 5. W.

Woodland

J. H. Mitchell

J. D. Muggrove Chairman of the
Tweed Community
Pres board Trustees, and also
Mayor.

Summit

5576480 Right → Addition being built on the cabin
now leased by T. Newton, but occupied
by S. McNott (third truck operator)
No rent charged

845' →

T. Newton

covered walk

Residence opposite Engdts 5490 and 1550' Out Right, to be leased to
G. F. Shafter Turntableman

550

Fire Train Spur

3/4" Water Pipe connected to our water main
and serving surrounding cabins

Hyd. ☐ Jim Gambon Cabin to be
leased to E. W. Feltham Fire
train brakeman

☐ Robinson Cabin now
occupied by Frank Gregory
Fire train brakeman
Rents \$2.50 Per Month

Line Meter

Hyd. ☐

Building attached by Books. Elevators and scales removed. Never anything shipped from building. A little broom straw stored in one corner of shed. Dr. Dixon of Knights Landing appointed Ground Keeper by the Sheriff.

Building occupied the ground
leased by E.W. Bock

KNIGHTS LANDING

Sacto. River

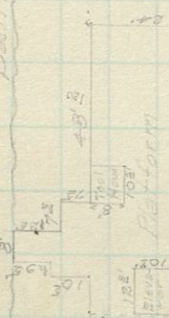
Bank

Standard Oil Co.
Lumination

133' 5"
134'

Shed

209'



574.21/5 am.

317+88

Prnt. Rd. X-ing for Bobb

West 100 North

29 7

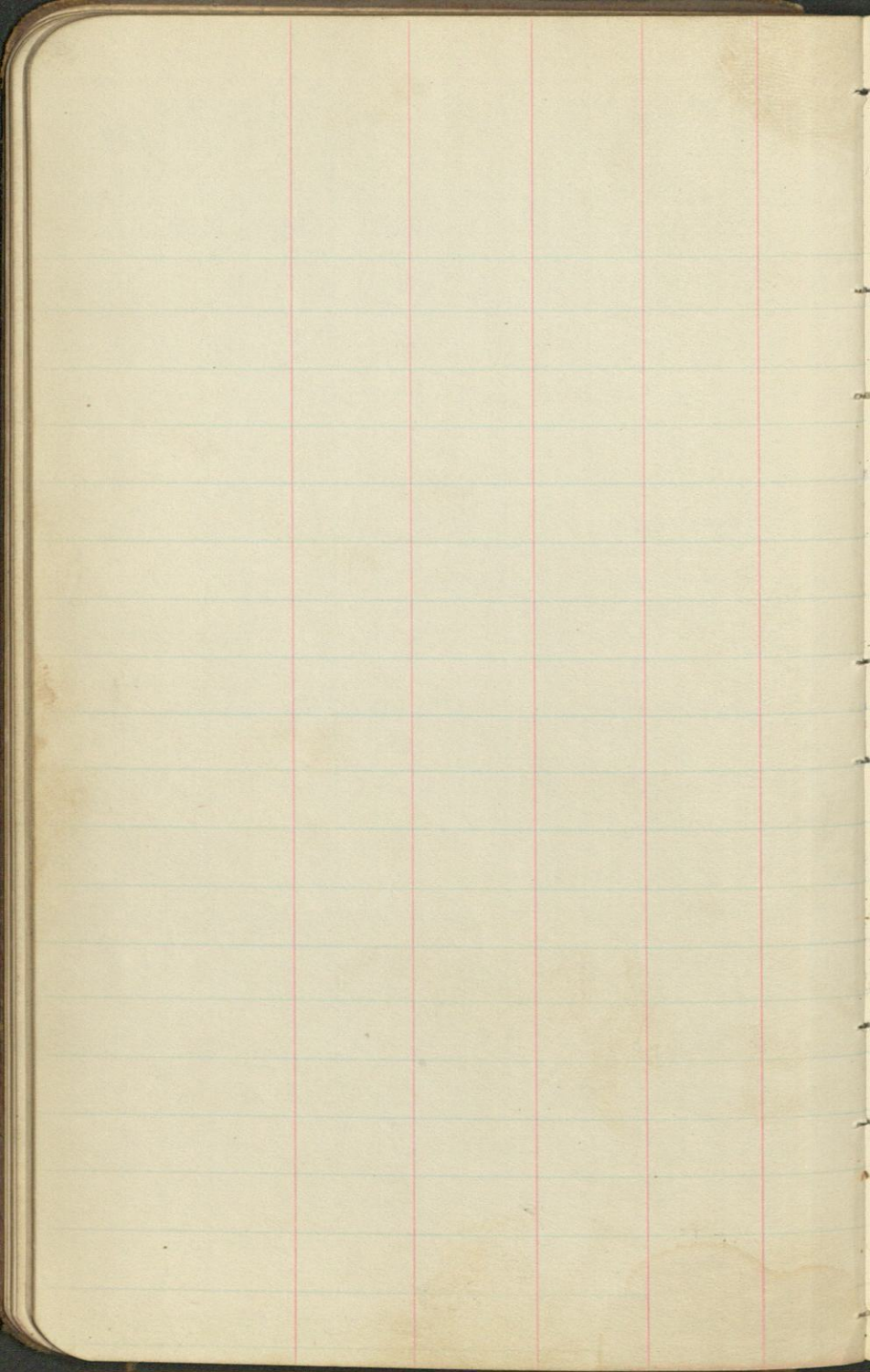
21

SLEPT 8'

80%

Highway
Rough

Forest



East of Auburn

To 3rd Street

West Bound Track

Spec line



50' x 50'

324+50

RS+Gd

12CD

26+24

X-ing from 320+25

50'

25+05

D. 31' + 70

325+75 I GR

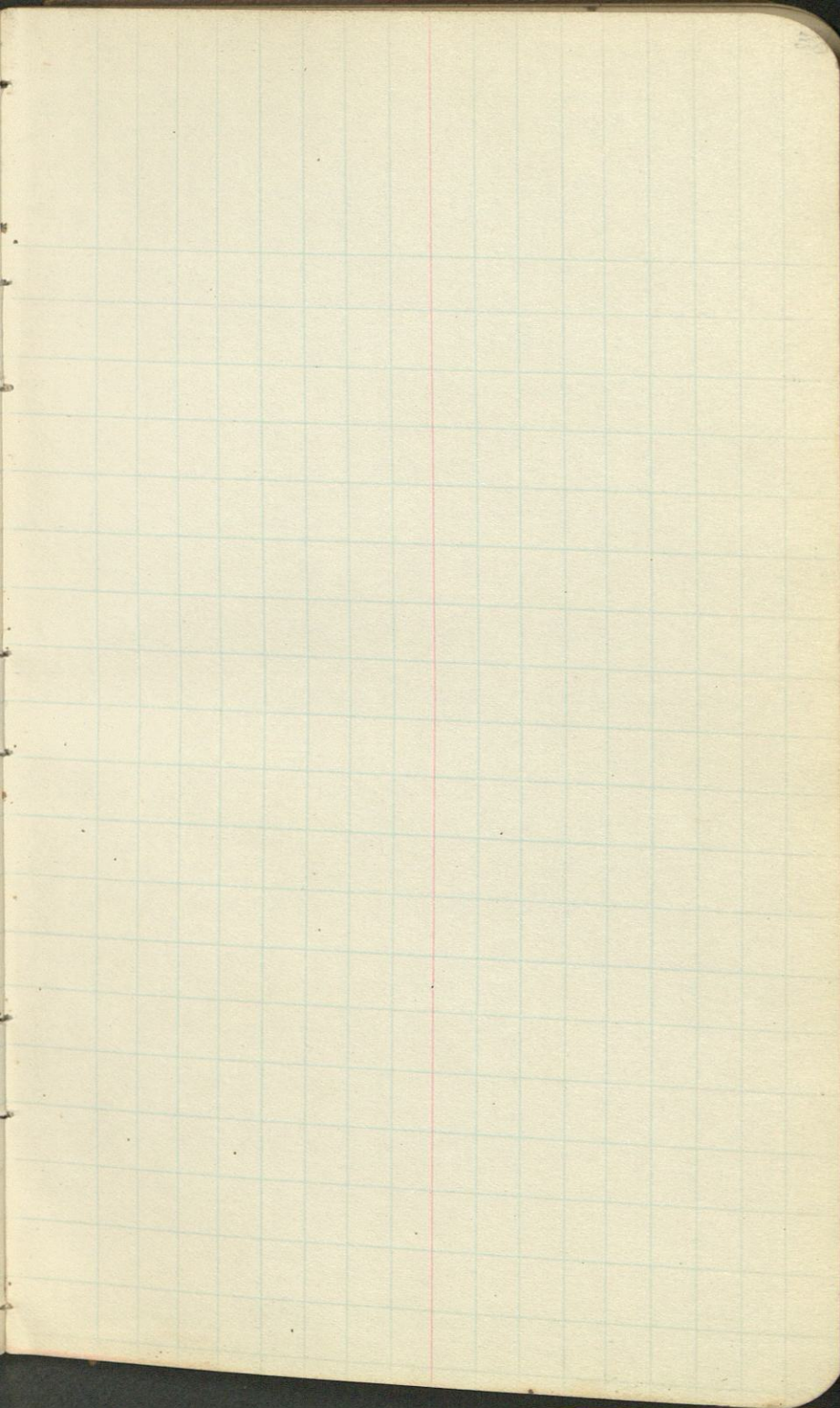
50'

55'

32+80

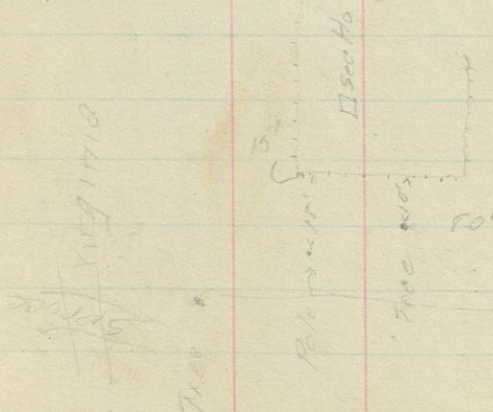
220'

912-1854. G.E. Green. Low Barton
American River Gravel
Frank Egan 9th + 1.



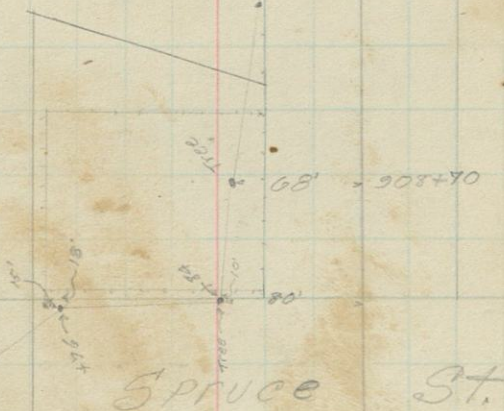
Gridley

C.W. Thresher Tel. Line + Xing	
0+00	158 A Initial Pt.
0+08	Rt. Angle Xing 51' Out R + L
1+37	Pole 50' Out R. Inside R.W.H.
2+70	.. 50' .. R ..
4+04	.. Outside R.W.H.
6+00	..
7+88	..
11+10	Tree 68 Out R



158A P.T.C.S.

Gridley



Eng 547001

215' Scales 14x17

90'

Scales 96' from H.B. Stockyard Spur 37' out

Scales 10x30

1455 Pole

30' from West face of 100' Hb

Oak Ave.

419

1454

1454

S. R. Pritchett Vina Cal.

#B3B+54 West Face of Scales 870 + Rt.

Scales 15 X 25

1750m Fairbanks

Blue Canon

4168+57 West face of Cabin 98' Out Rt.
Cabin 25'x25' for R. H. Bell
(Fireman) Blue Canon

J. Lord owns the cabin now leased
by Mrs. Richards. He rents same
to E. M. Oakley (S. P. Janitor) for
\$12 a month. Mr Lord paid \$50 for
the cabin

Frank Morey, Joe Leonard & F. Stohm
6" Sewer line

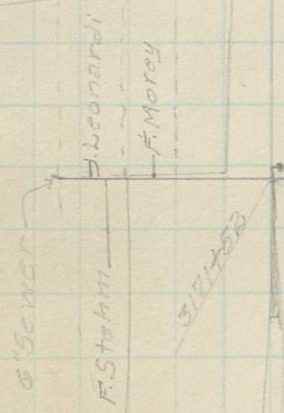
5171 + 5R 6" V.I. Sewer Pipe

Freeville

Creek

Colonia

St.



Hangtown

Miss Moore 113 E. R.V. 117

137 D 125" From 157 E

New England Mills

The Hospital Central Com.
of Weimar Sanatorium
Amador

Colusa

Contra Costa

E. L. Dorado

Placer

Plumas

Sacto.

Butter

Two volume

Yolo

Yuba

922+73 3" Oil Pipe 2" 2 1/4" Steam
Pipe. & of 3x8 Pump House

137 F 16" W.L. Pipe Initial Pk.

122 West of 137 F

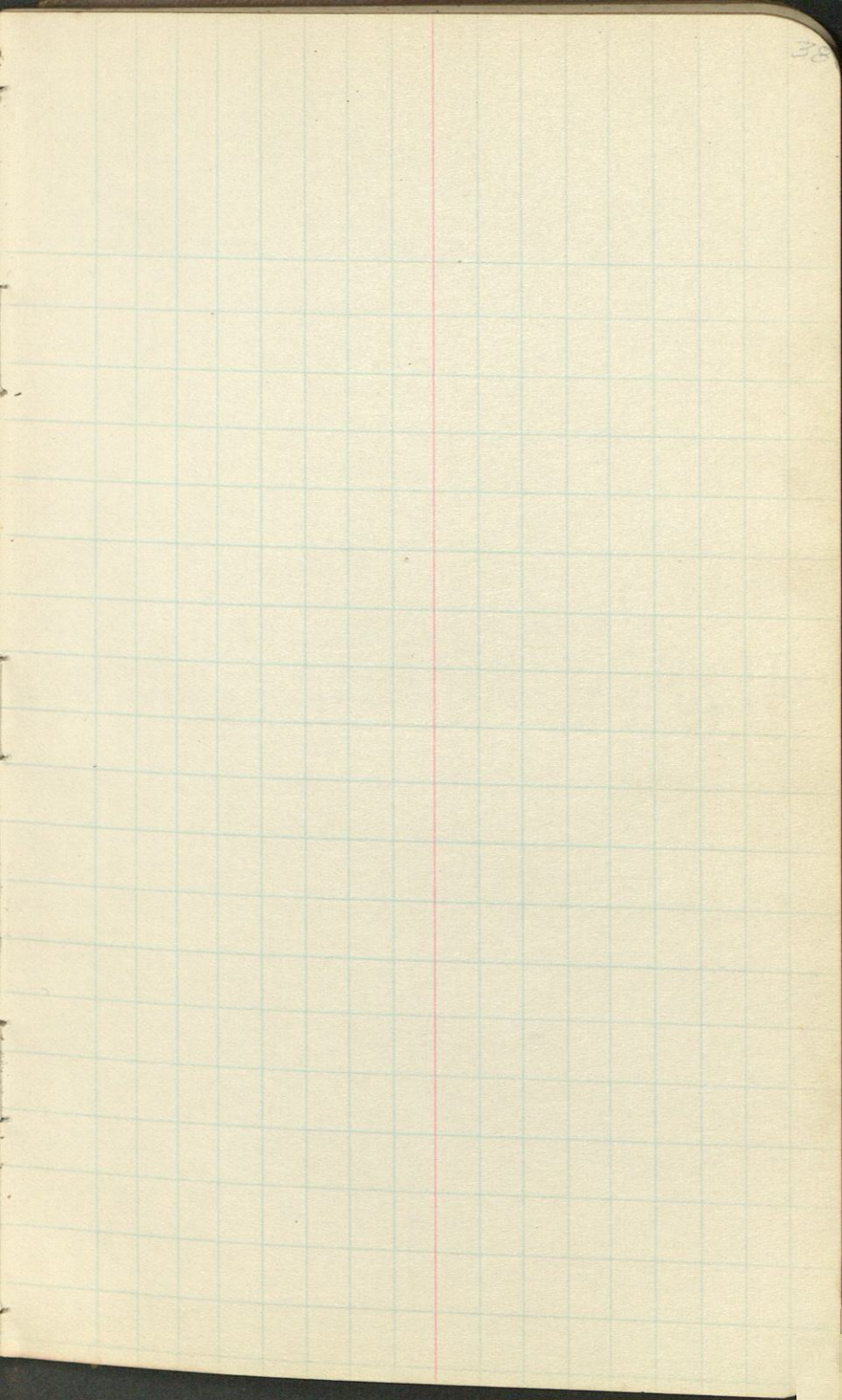
East of Nelson

Prvt. Rd. Xing for Jones + Yeom
1767+58 - Rd Xing

8' Fill Crown of Fill in Bottom
center of track

61' West of West Face of
174-A

Stanford Xing 480' West of West Face
of 174-C



Willows

Western Products Co. Inc. Lawndale
Calif.

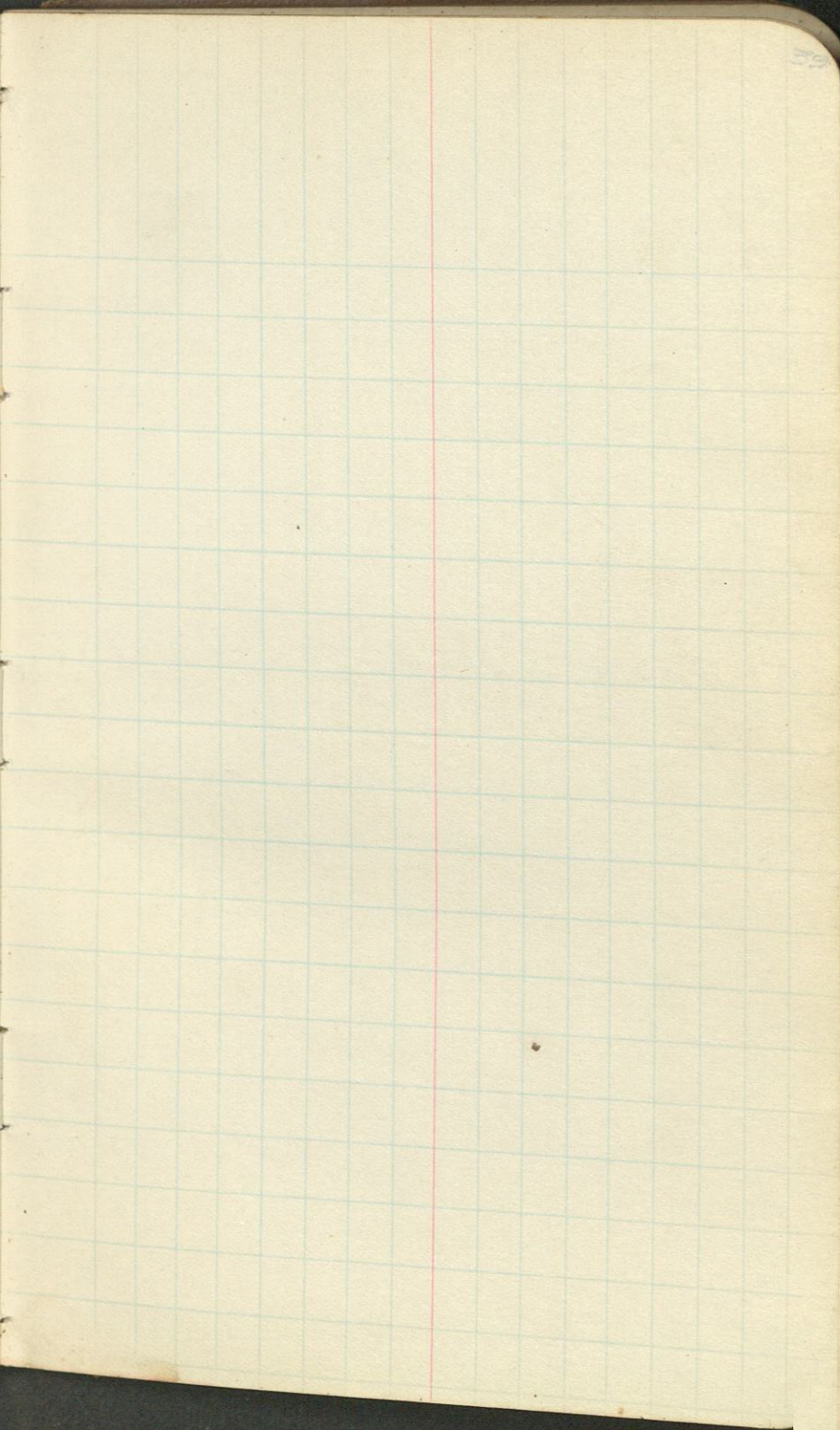
Perry Garland. (Pres)

E. Harrison (Sect.)

3315*42 Pvt. Rd King.

4' Fill

Resected by S. P. Co.



Williams

1900

2039 + 66 ±

Initial Pt.

2040 + 81

W.U. Tel Pole 25' Out R.

42 + 15

W.U. ... 42 ...

43 + 10

W.U. ... 43 ...

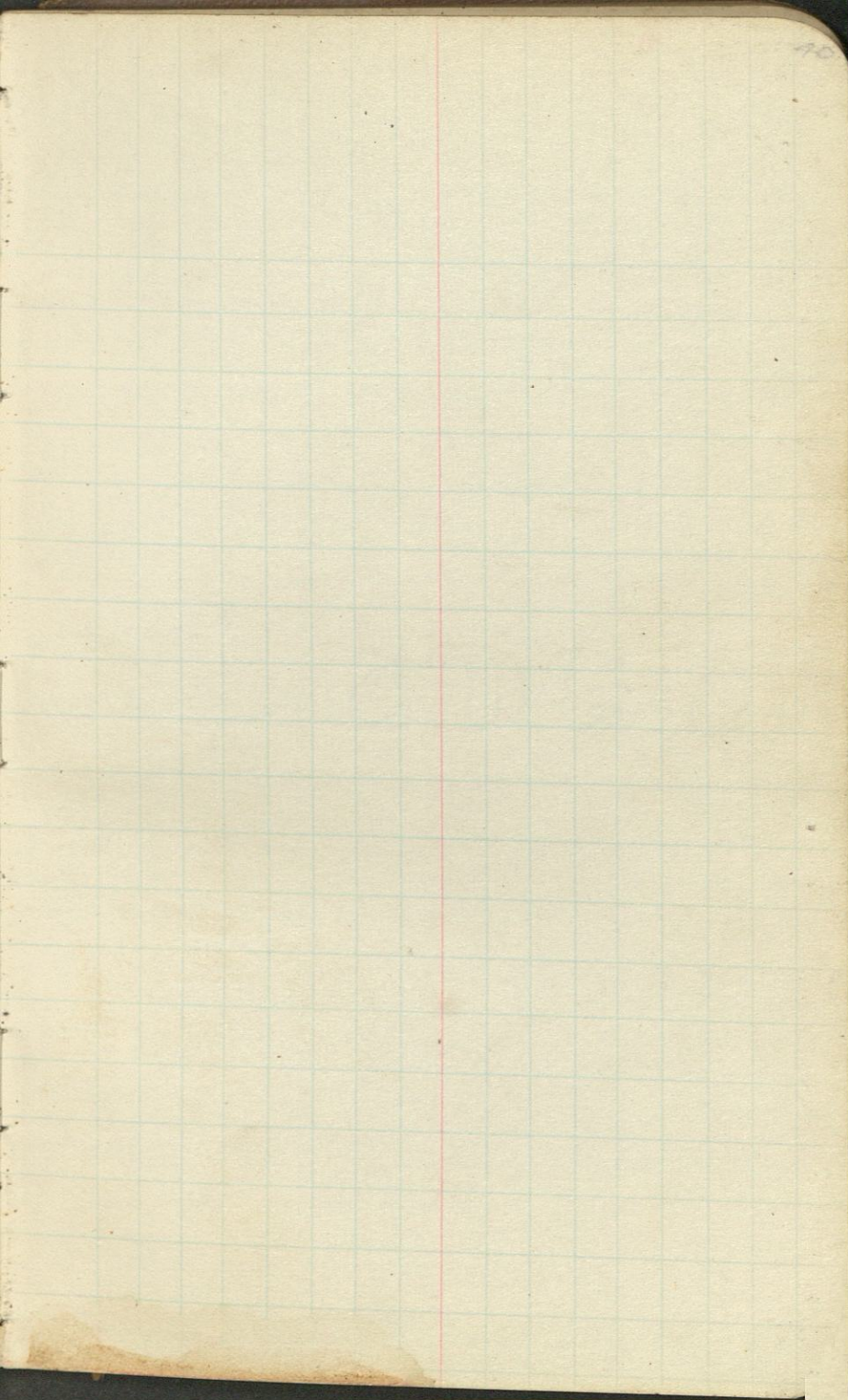
43 + 012

Sec. Ho. Fence + 55 ...

B.L. Fouch + W.G. Carpenter

Poles 100' 129 + 165' Apt.

East End of Loc 18' from Side Track



TUDOR

West Face of 15x25' Scales opposite
East Face of Platform 130' out.

^{\$25}
Refused to sign lease

150'

60' Power Line

Taylor

10' 20'

Ten Ton Wagon

Scales for G.W. Gottwald

150'

Site
Pit

553+79

to Tuba City

Chandler

887+53

Overhead Power Line

To Sect.

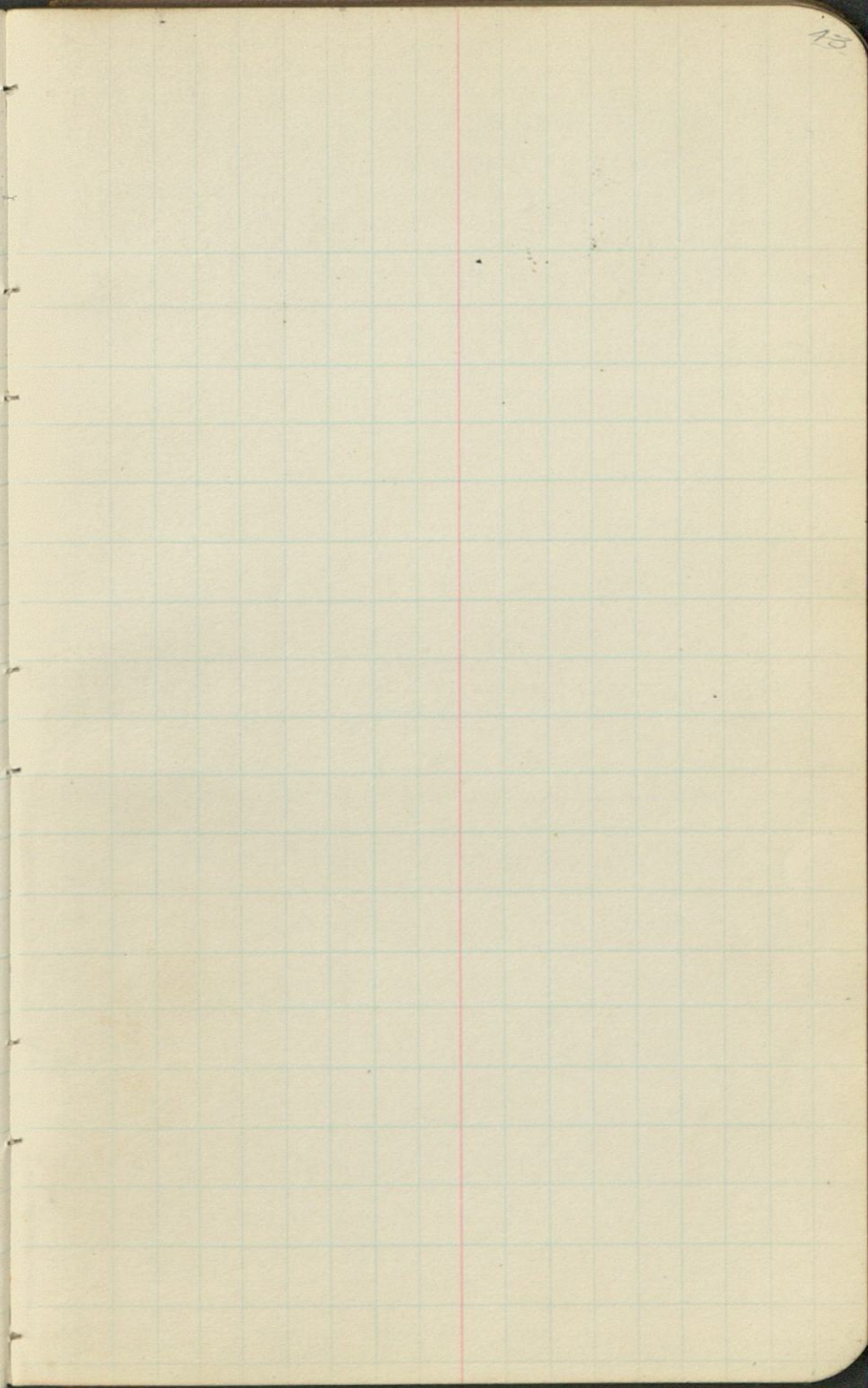
15' 544 Wire
 12' 544 Wire
 12' 544 Wire
 12' 544 Wire

927+53

Placerville

Pollock Lumber Co desire a
lease from Eng Sta. 3198+33 to
3199+33 and 33' deep if they
cannot obtain the Earl Froot.
Co lease

G. E. Pollock + H. Shear
Co Partnership. P.O. Address
Placerville



N.E. Davenport
2951-1st Ave.

Knights Ltd

1" Water Pipe King Dr
T.H. Dixon

5' 11" + 52'



952 + 17'

952 + 17'

Delevan

Depue Warehouse at Delevan to be
extended West to Eng Sts 3777+24
and East to Eng. Sts. 3788+99

87604-

H. T. James
B. C. Brown
Byron Mangy

32'

Beechgrove Dror.

East End of Blumer Cut
P.G. & L. Pipe

5

NEW ENGLAND MILLS

51st Rd

- 0+00
921+11 137 F 20" Pipe Initial Pt.
0+67
921+78 4 Road Xing
0+75
921+89 X-ing Sign 15' out left
1+07
922+19 West face of Spring fence 59' 5" out
2+85
923+94 4 137 F 20" Pipe

137-F

Footage
14X16

Diary of a ...

1812-1813 ...

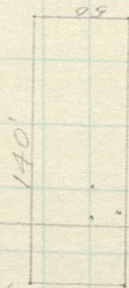
Nelson

Calif Highway Commission
Rock + Sand Unloading Plant

~~Calif Highway~~

1672

1613+58



2.9'

Station

6' x 10' leg Derrick to be erected on
this ground swinging boom + clam
shell bucket Steam Eng. used for 12 mo.



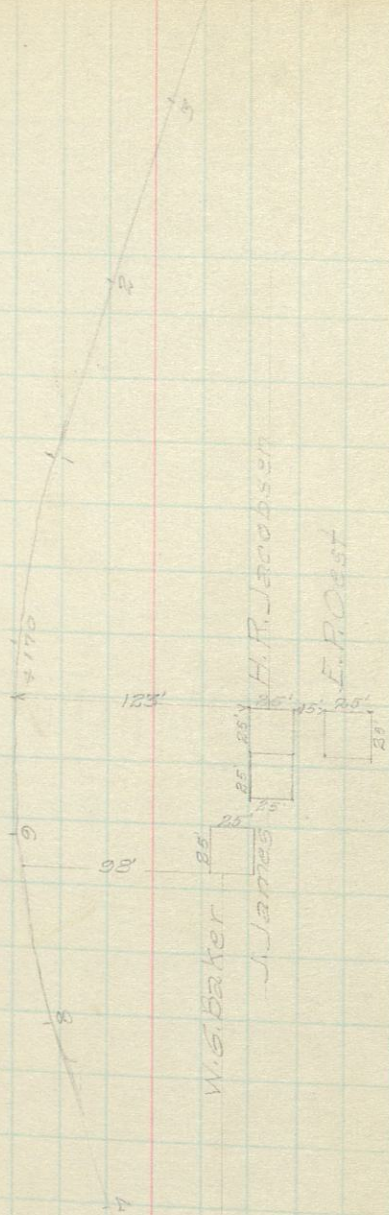
123'

41.69 + 7.5

East face of Cabin 123' Out

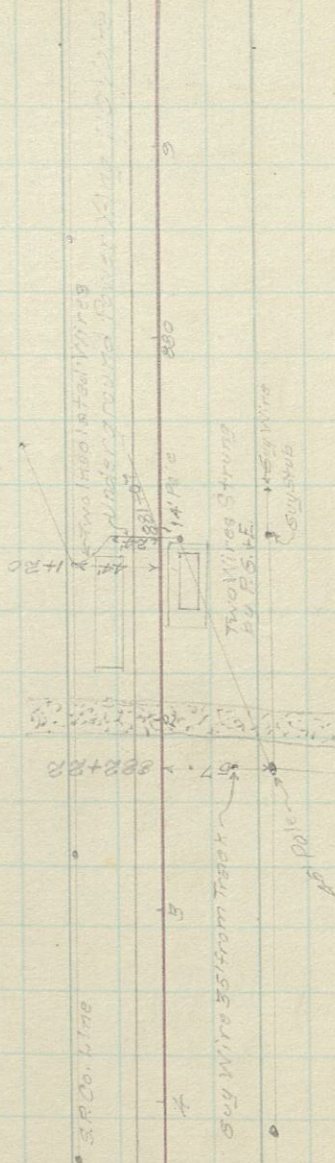
Blue Canon

Rk



~~Carra~~ gran
✓ Curran

Chapter



11th thousand Volts.

1st Warehouse

127.

54

81+675

82+24

Northern Calif Power Co. 11000 Volt overhead
Power Line

Highway

50'

50'

Gas Pole
24" Rd. - Sug. Wire

+44

2231 + 675

2

127'

54'

Public Road

+94

Station

2230

+44

to Santa

+19

Norman

Auburn

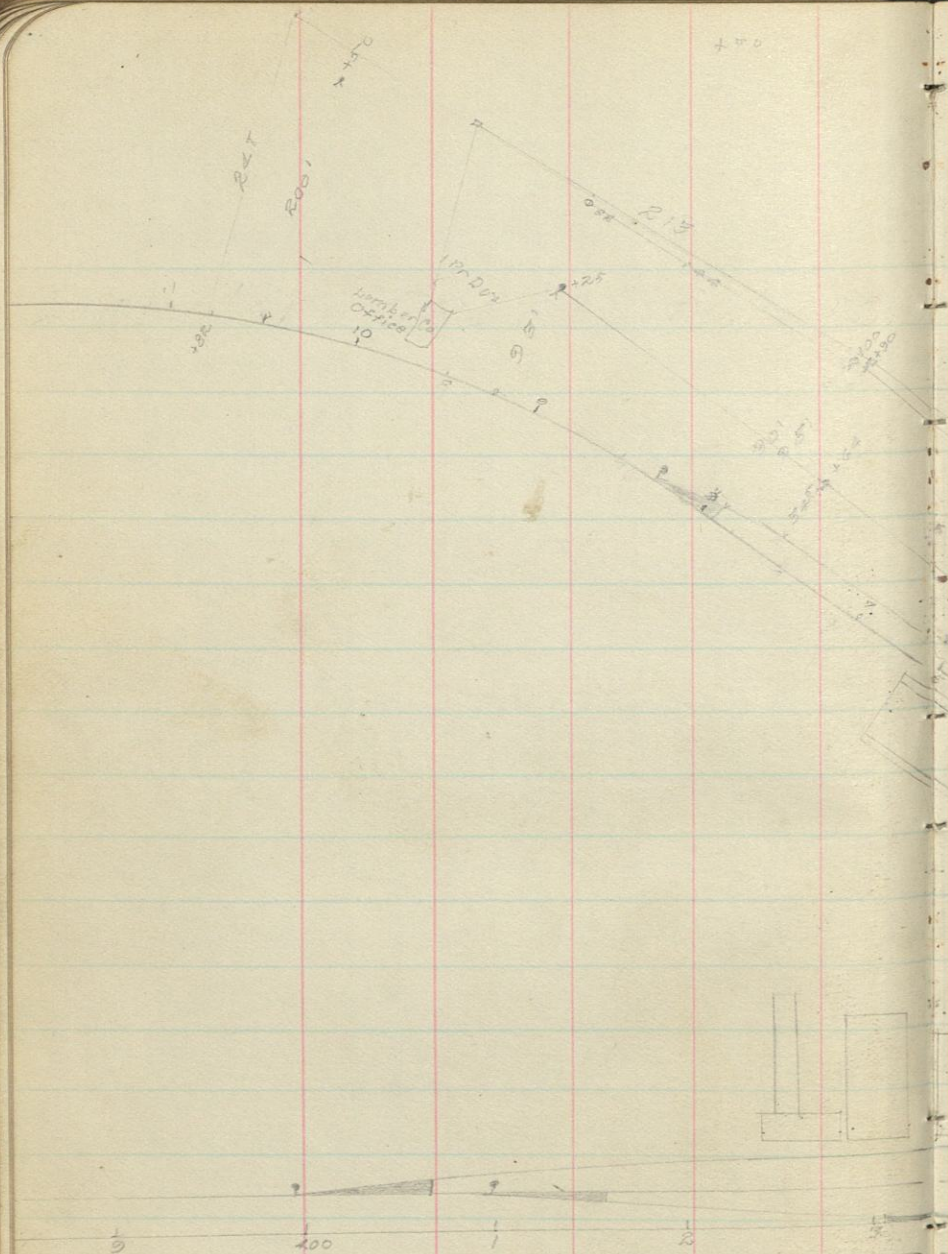
H. T. Dyer RFD 115 Auburn

- | | |
|---------------------|----------------------------------|
| 843+69 | 3" W.I. Water Pipe X-ing |
| 833+70 | South Yuba Inverted Siphon 126-J |
| 831+92 ^I | Pit. C. G. 126-I |
| 831+64 | Prvt. Road X-ing |
| 831+32 | Pit. C. G. 126-H |
| 828+79 | P6+E 14' Con. Arch 126-G |
| 828+05 | 6' Con. Arch 126-F Initial Pt. |

Zeigler Sacto Broken

3465

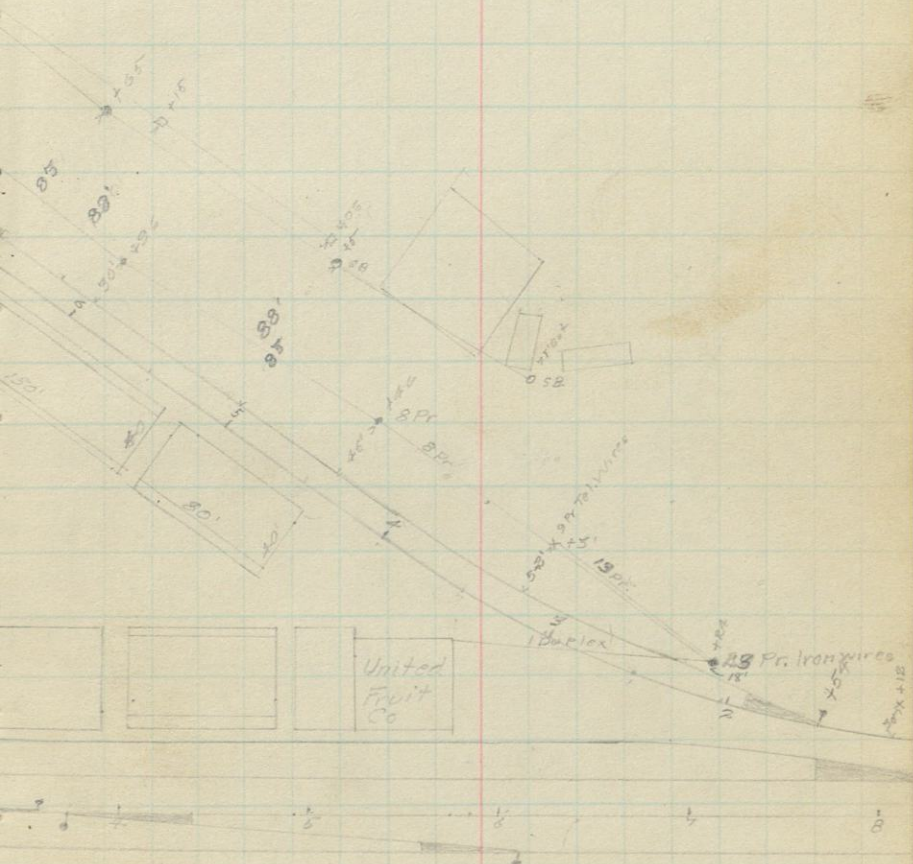
6+40



x PSE
 T. Co
 H. Miss Hall
 05800

10/29/19

54



55

12th Feb 1955

55'

124 Trestle

123 D

M.P. 136

70+75

34

Pt. of S.W. Initial Pt.

81+12

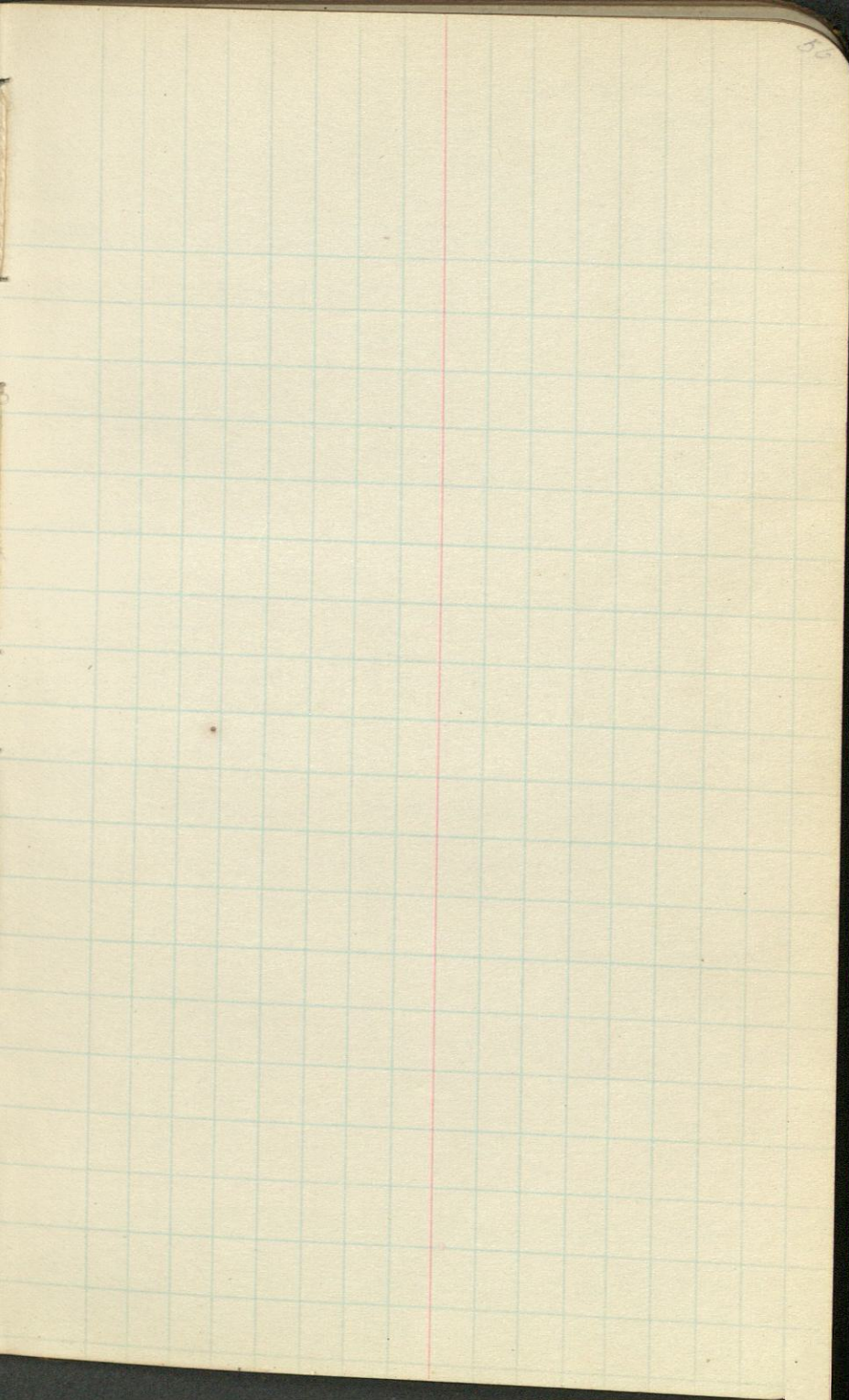
Oil Pipe 2"x1 1/4"

Oil Pipe King for Growers Picking
and Warehousing Assn Inc

T. S. Montgomery (Pres)

H. C. Dunlap (Sec)

B. M. Fuller local Mgr. at Yuba City



Lincoln

Pac. Tel. & Tel. Co. Contact please

0702	1010 55' out Rt.
1467	55'
1474	55' .. L
3419	25' .. Rt
4478	since 105' .. Rt

10/2/19

Cult. lease for Salvatore Sinelio
P.O. Address Gen. Del. Reno, Nev.

2385+07 $\frac{1}{2}$ 238D R' Stone Bx. Initial P
2382+35 West face of lease 48' Out left
from S of West B. Track
2393+00 East face of lease 48' Out h.

EAST of LAWTON



80' x R392+73

R392+79

Sec line

Salvatore Sine 40

152'

46'

R382+55

10/10/19

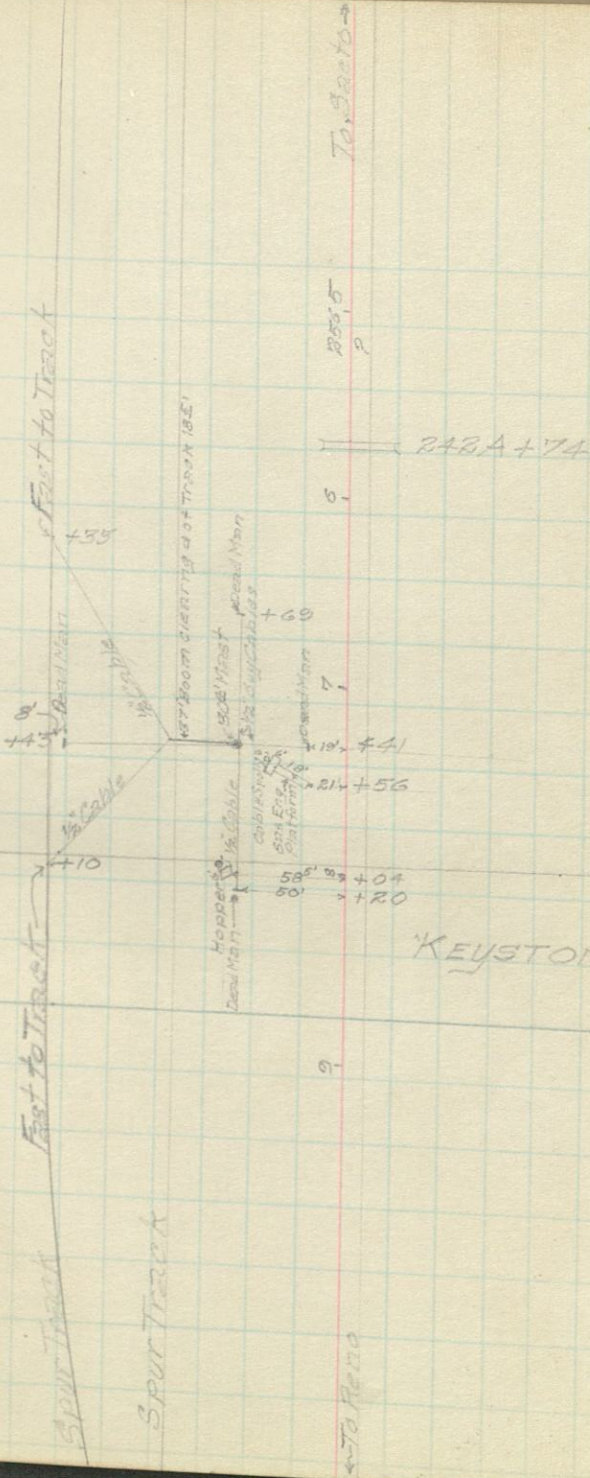
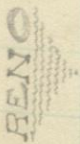
LEASEE

Ward Bros Co-Partners

Al. Ward 612 Quincy St. Reno

Wm. Ward 523 " " "

Jack Ward 434 " " "



Diamond Spg.

2+20

RdX-1179

2480

RdX-ing crosses Fence line R

12+06

4 Pt CG 144 E

12+92

4 Culvert 144 E

13+79

Pt of SW.

10+26

Fence Inter.

Cal 3 Road
44 Ditch

2021

11/19/20 to

Reno Light + Water Co's. Pro. Flum

West of Reno

2195.539

Green Ditch

42 00' + 5702
122

ROAD

0.4110

River

11/20/1935

91

+ 84 - 100
100 - 150

R40E

6' Flume

9457

15' Road

R40E

1000'

Cut

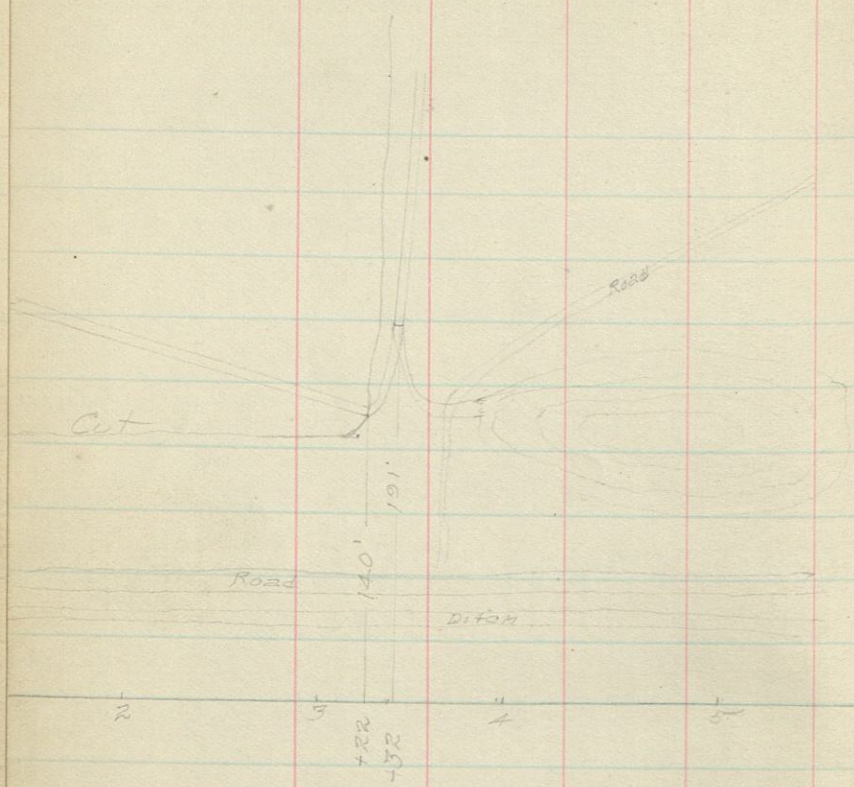
R. Ditch

432

100

9

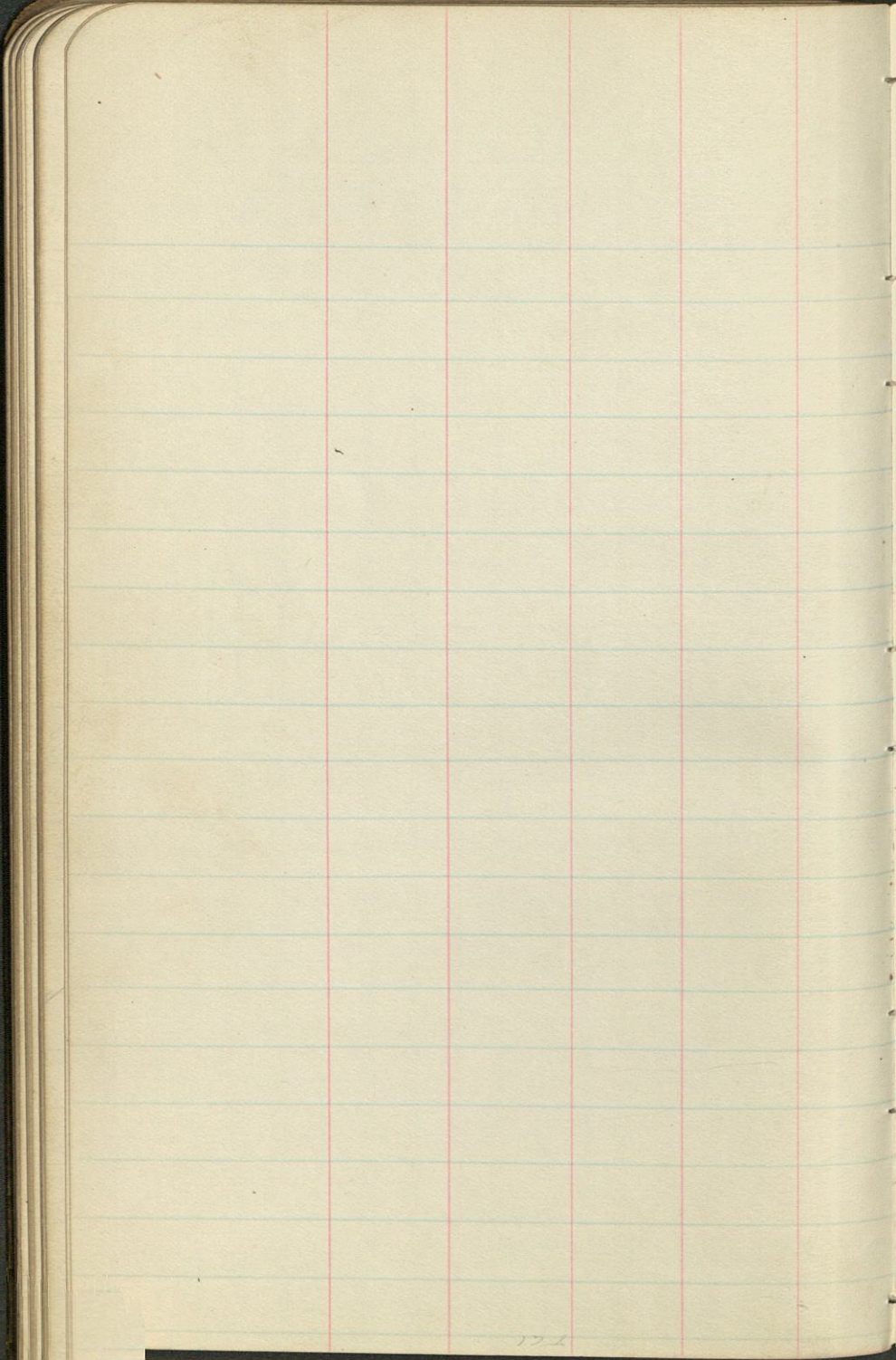
18750 E. of 1st Ditch



15
258

OK

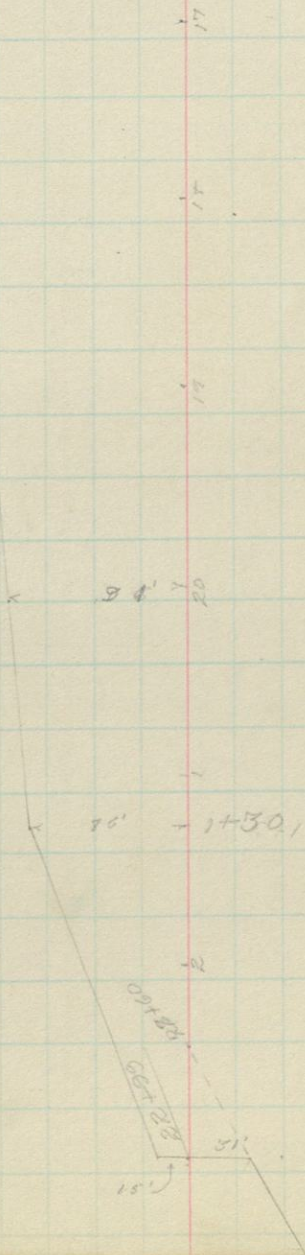
3.22
2.22
0.67



2" Water Pipe for Mrs. Whitburn

Renov

To Sec 16



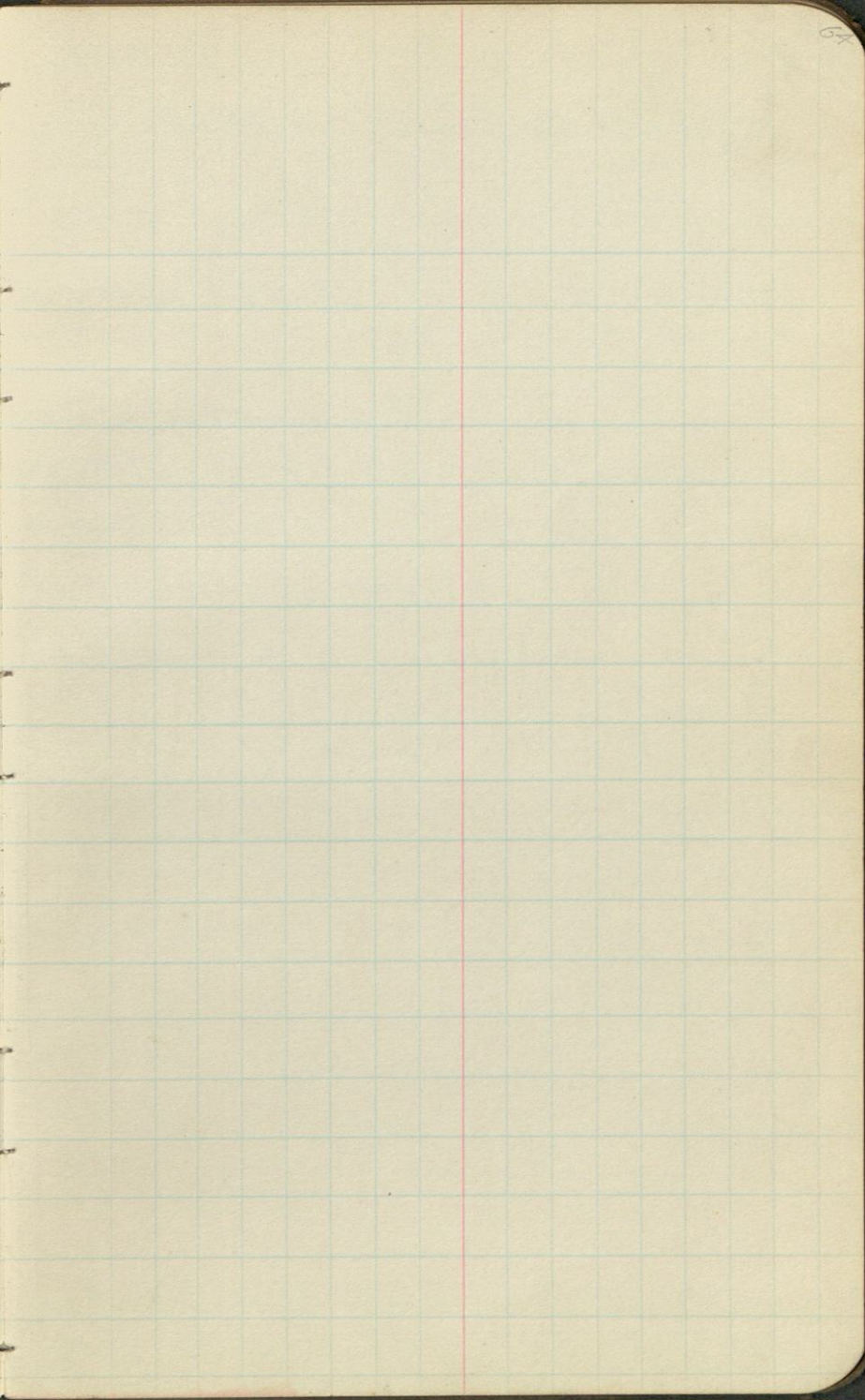
Remo

25' from Cor of VV House

Nev Sanatarium Ditch

37+27	10' Ditch	200	Out	post
35+88		82'	..	..
31+68		54'	..	..
26+78		55'	..	..
25+00		38'	..	..
22+98		171'	..	..
21+72		130'	..	..

191³ Building 20x25



NewCastle P.G. & E. Co 11/22/19

17+16	E. Face of P.G. & E. Lease 70' Out
19+17	Rd X-ing
21+50	W. Boundary line of lease 70' Out
16+00	W. B-line lease 60' Out Rt. 72
14+46	E. B. 60' . . . Rt. 72

Colfax R 7th

7th + Track left

ut left

Track

Summit

Placer Co. Exhibit

P. H. & E. Emergency for Transformer

R. A. grew S. P. Lineman ^{house} 1 Tap.

off. R. W. (Mrs. G. Hoxie ^{house} Carpenter)

Summit Hotel. 9-1" Taps. Mrs.

Joseph Howling Donner.

Dail McNett 1-1" Tap ^{2nd} Truck

operator) S. P. House

F. Constantine (Plumber) 1-1" Tap

W. Rose House.

E. Bensley carries water from Sec

house. (Dist Signal Operator) Kramer

house.

E. D. Freeman (Signal Freeman) 4-1" Taps.

hot + cold water House owned by

Freeman.

Vacant house 1" Tap house owned

by Freeman. Rented either to

^{S.P.} Lineman or P. T. & T. Co. for line

^{S.P.} men

C. Kramer (Carpenter) 1- $\frac{1}{2}$ Water
Tap. House owned by Kramer.
F.L. Heath. 4 Taps hot and cold.
not an employee
J. E. Case 1 Tap in car. 4 Tap
in office
Jim. Leslie W.D. Mansley Train
Master in Gambone Cabin

Blue. Canon

J. B. Gilman (Eng.) 1 Tap house
on S.P. R.V. house owned by
Gilman.
L. A. Johnson & Hickman (Eng.)
A. Priest (Eng.) Carries water from
S.P. Tap. house on R.V. & owned by
Priest. occupied by (4 Engins.) See
Harmons name Train from T.A. Wright

¹ C. W. Moffitt (Engr.) house on S.P. R.W. house owned by Moffitt.

² A. Loomis (Engr.) house on S.P. R.W. house owned by Loomis.

³ Geo. Lentz (Eng.) house on S.P. R.W. house owned by Lentz.

⁴ R. Wheeler (Eng.) house owned by Wagner & O'Cool. on S.P. R.W.

These Four (Engrs) get water from a Tap by the south west corner of Loomis Cabin.

C. A. Denny (Engr.) house on S.P. R.W. house owned by C. A. Denny carry water from tap by Engers Change Room.

¹ J. E. Smith (Engr.) leased Cabin.

² H. E. Brown (Engr.) leased Cabin.

³ B. W. Spanger (Engr.) leased Cabin.

⁴ Fred Sparks (Engr.) leased Cabin.

⁵ M. S. Fairbairn (Engr.)

Fred Werbergen.

The past line carries water from 1" Tap 20' from South west Corner of McFarlane Cabin.

W. L. Holmes (Car Foreman) Leased House Pay for piped S.P. Water 75¢ Mo. R.O. White (Car Insp) 2-1" Tap house off R.W. No Rent.

E. Lemen (Car Insp) 2-1" Tap house off R.W. 75¢ Mo Rent.

M. W. Mc Connell (Eng.) 1-Tap house off R.W. no bill presented paid 75¢ in the Past.

S. A. Follett ^{Station} 3-Tap ^{Station} Leased house spring furnished water to fountain by Station but is on Follett's lot.

R. P. Bick (S.P. Tel. Operator) Leased house water from spring on Follett's lot. No Rent for Water.

Richards house now occupied by N. S. Mc Crary (Fireman) 5-Tap 2-Tap.

Pay 75¢ Mo.

D. F. Sullivan (Eng) 1- $\frac{1}{2}$ " Tap house
off R.W. 75¢ Mo.

W. W. Scott (S.P. Agent) 1- $\frac{1}{2}$ " Tap house
off R.W.

M. W. Harris (Engr) 1- $\frac{3}{4}$ " Tap house
off R.W. and owned by J. Knapp.
Doll Paid 75¢ rent.

A. J. Schwetka (Engr) 2-1" Tap
house owned by J. Lord. off R.W.
Rent \$20

R. C. Wood (Engr) 1- $\frac{5}{8}$ " Tap. house
on R.W. leased. 75¢ Mo Water.

W. E. Clark (Eng.) 2- $\frac{3}{4}$ " Tap house
owned by J. Wood on R.W. Clark
Pay Co 75¢ Mo.

I. M. Peterson (Signal Mtr) 2- $\frac{3}{4}$ " Tap
house owned by Mrs. Benley at
Summit. house on R.W. Theoball.

C. L. Leavey (Engn.) N. French Hill
 (Track Walker) Knappe house
 C. A. Clark (Engn.) house on R.R.
 owned by W. L. Holmes
 C. W. Smithurst (Engn.) house on
 R.R. owned by Holmes.

B. H. Calkins	75
J. A. Cameron	150
J. M. Peterson	75
Movalli & Corana	2.50
D. W. Richards	150
W. L. Richards	75

Mc Carney Rent

School House	75
M. W. Hurto	75
H. W. Mc Connell	75

6-20

Dunnigan Dec. 1-19

Elect. Light Wire

Tel. line

Undergrade

Trestle 130-C.

44'

42'

20

1

6

5

4

3

60+

Dunnigan
Lumber Co.

1013

10+208V

92A3400

1+844

Pole 912 Out to 62 2nd part

9180+30

1+582

Pole 1400

Guy 00

1+55 West

Pole 912 Out to 62 1st part Guy 01

2+55

Pole 59 25'

3+56

Pole

4+75

5+63

7+10

8+40 *

Pole 84 5'

Guy 15'

9+64

Guy 15'

10+76

Pole 89 Out

Guy 15'

11+08

Pole 95 Out

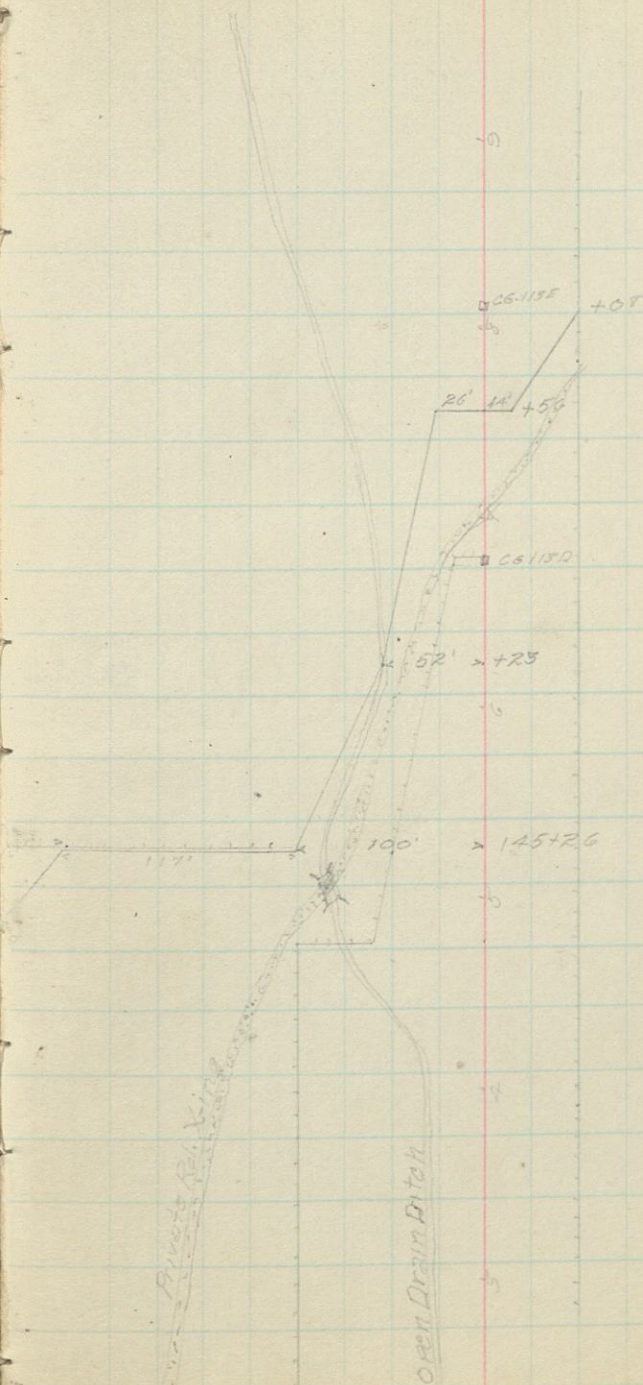
795
75
875

2' Open Ditch

50

100

80



84-668



2nd Covered Platform

Platform 25' to close to track
 of track
 Eaves 72' from center which is 22' to
 close to track

Cat # 15

H.E. Butler Penryn.

Jarmison & Nicols

T.H. Nicols 68-Post St. S.F.

L.D. Hofmann.

E.W. Pelham

Frank Gregory #250

Ed Pholam Lumber Train Brakeman Donner.

Geo. Shater.

John McFarlane Shingle Springs

N.E. Davenport 2719 Orange Ave.

Frank Ramirez 514 1/2 - 7th St. Sacto.

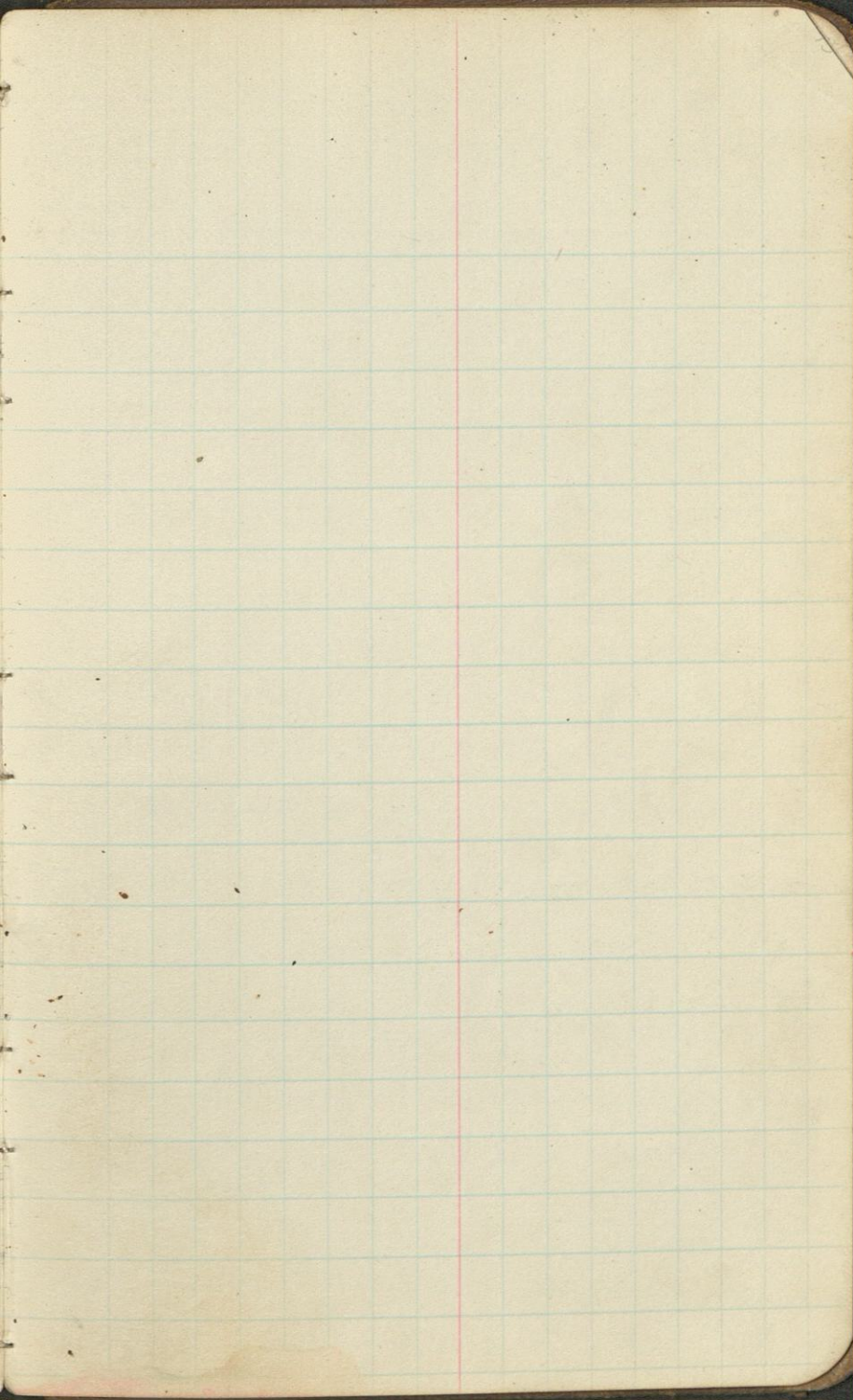
Salvatori West of Reno M.P. 238

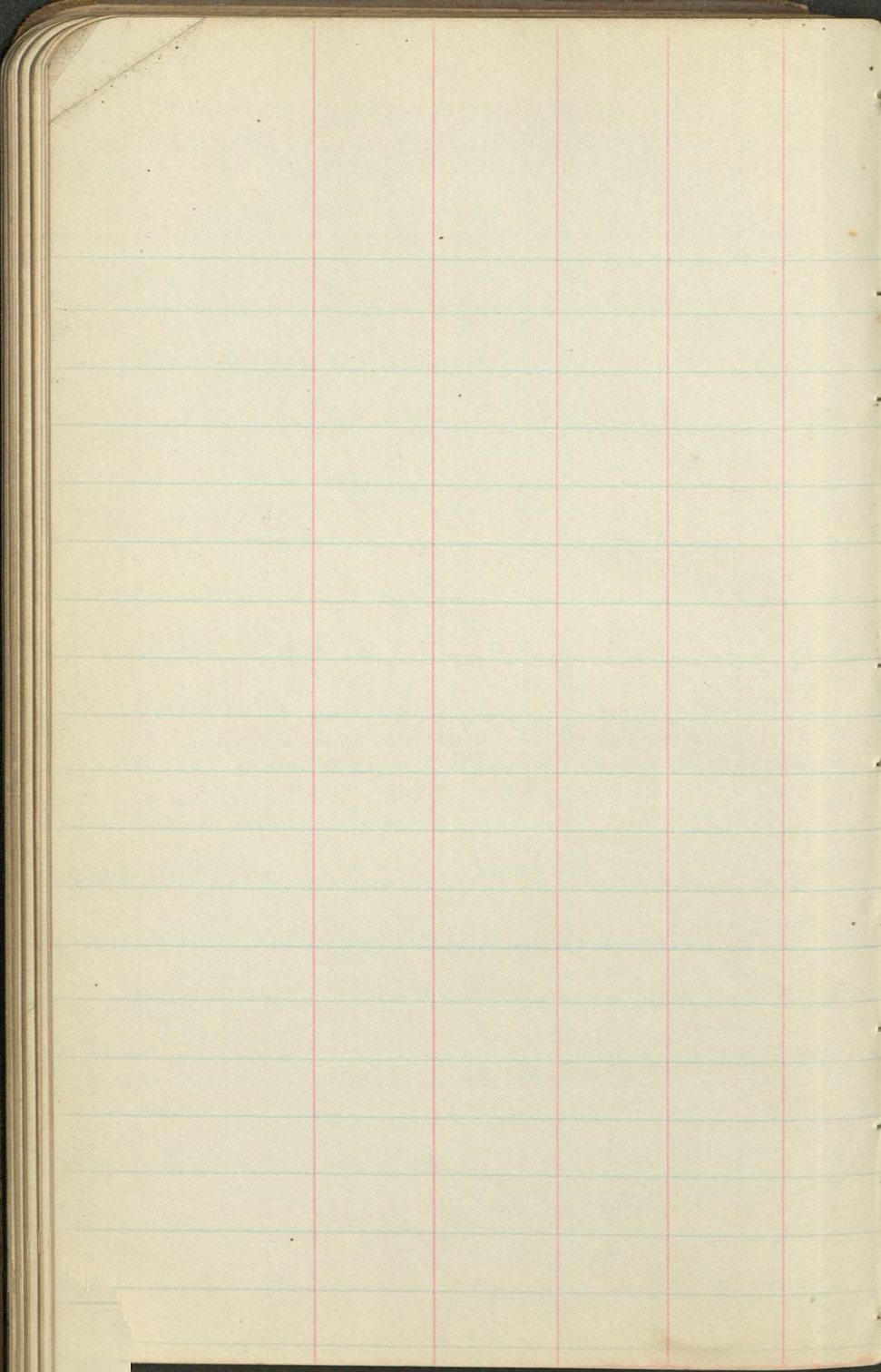
A.E. Kibble Office in Reno

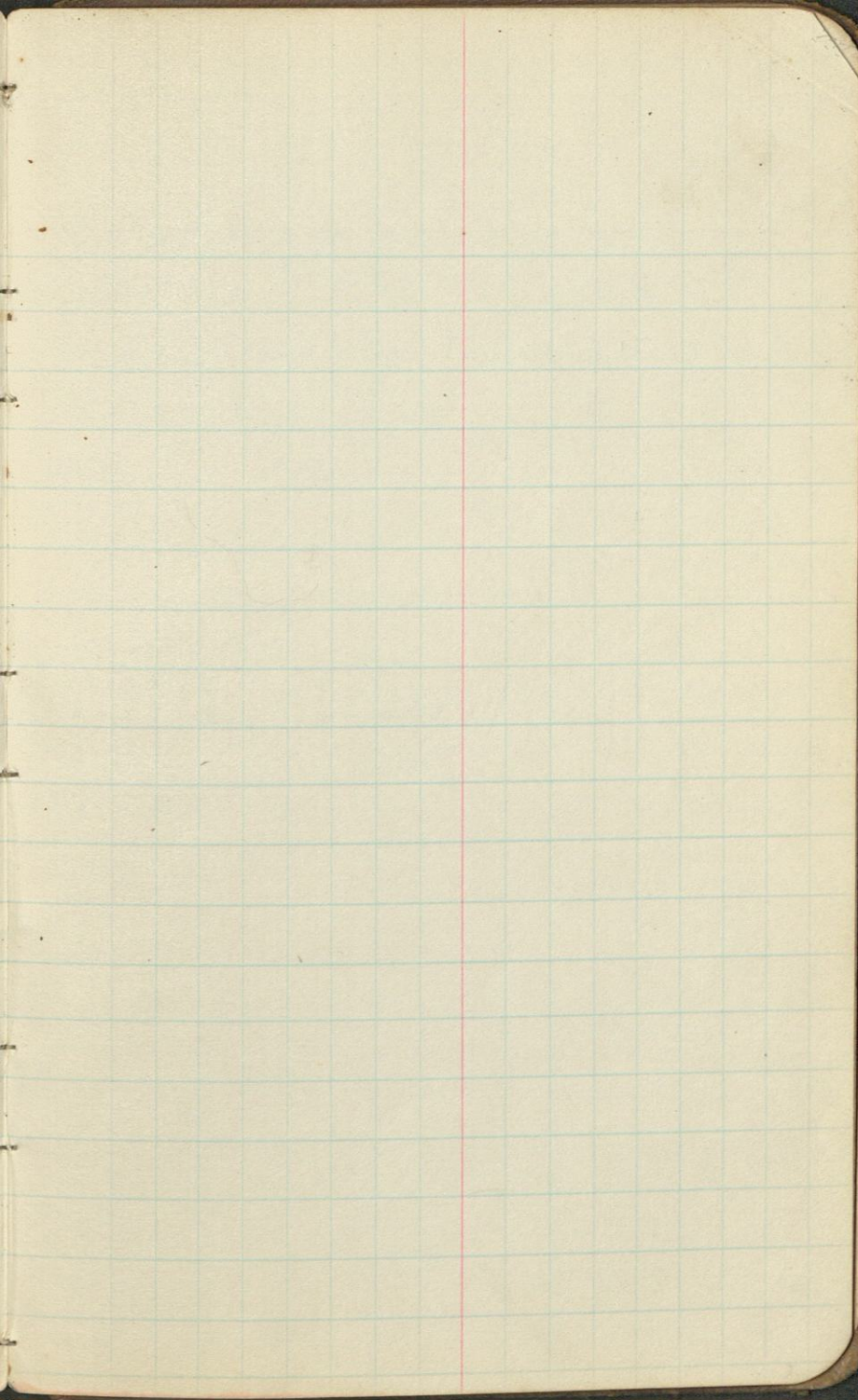
Florence Irene Bullard Grass Valley

P.O. Box 137 Church St.

N.E. Davenport 2951 - 1st Ave Sacto.







Geo. H. Canfield
445 Sutter St. S. F.
of Land Dept

12" V.T. PIPES 20' LONG (R)

Gate (R)

Whistle Poles (R)

Revocable signs (R)

Gravel 1 Can.

Original signed before Notary

Original recorded after fully
executed by us.

100 Sq Rd 1-Acre

43560 Sq. ft. 1-Acre

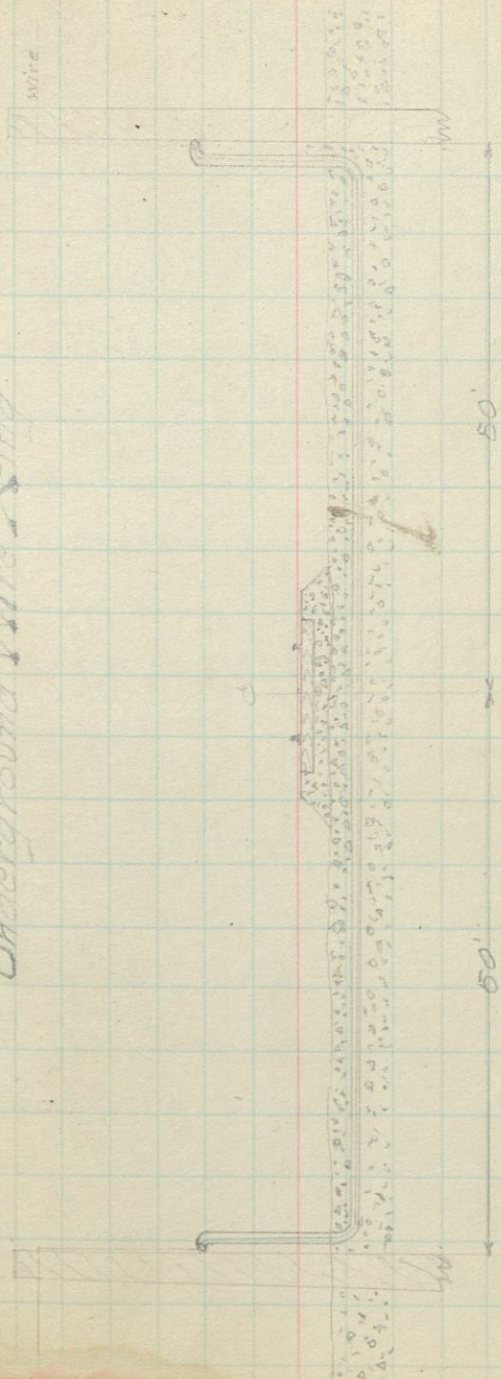
Must have two witnesses.

Asst. General Mgr.
S.R. Co.
Railroad

B. X His Mark

Power Lines must be 3' over other Electric Lines

Underground Wire Xing.



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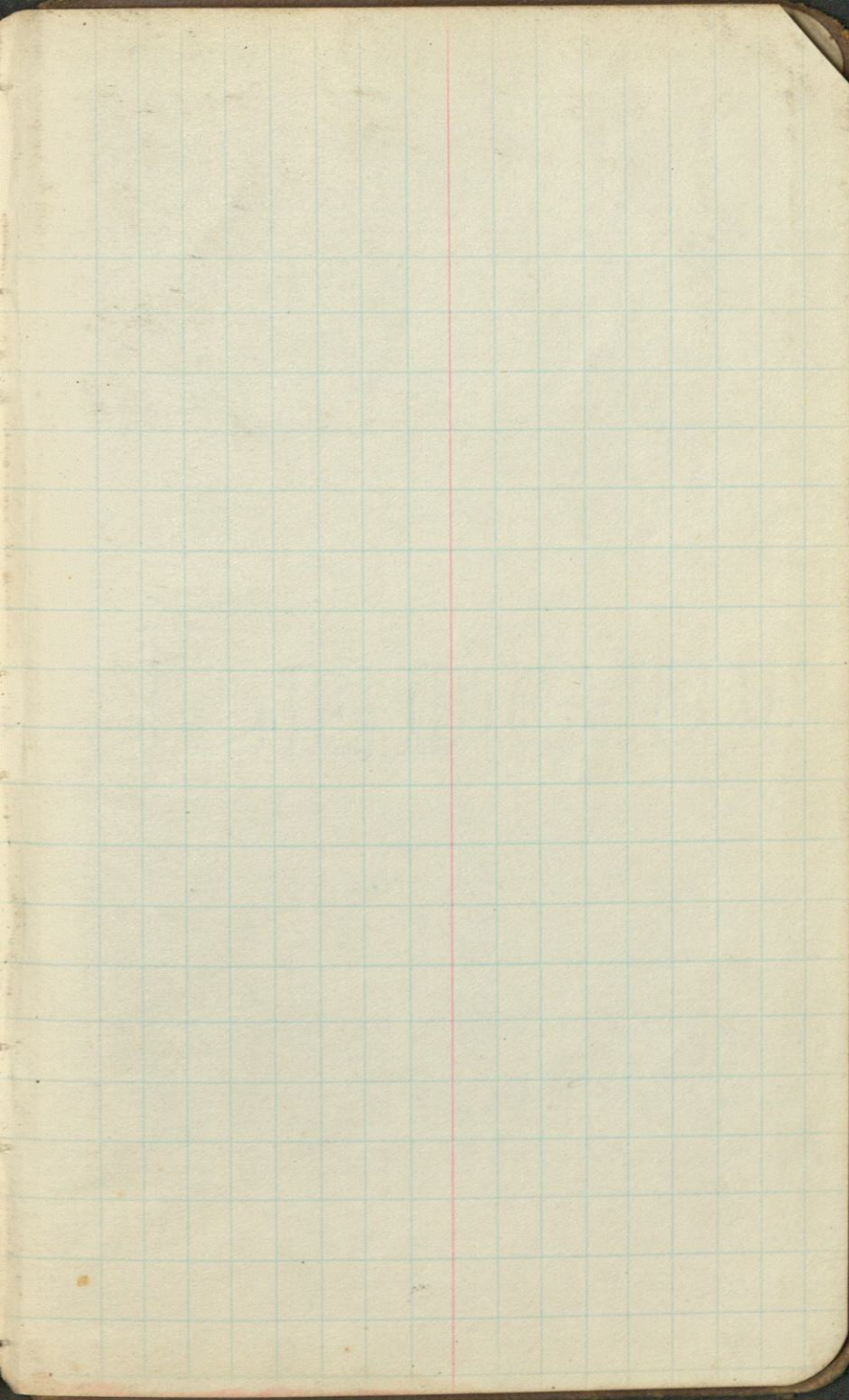
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L.E. Arnold



Make Check payable to S. R. Co., and address
all Remittances to assistant treasurer
San Francisco Calif.

3/2/12 Interviewed Mr. Hooker in re-
gards to Fruit House at Walnut Grove
he promised to give the matter
his immediate attention and ad-
vise us.

Relative Locations of Sections in Township.

36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6
12	7	8	9	10	11	12	7
13	18	17	16	15	14	13	18
24	19	20	21	22	23	24	19
25	30	29	28	27	26	25	30
36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6

72+77 = 149

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES	LKS.	MINUTES	LKS.	MINUTES	LKS.
1	2 $\frac{1}{3}$	21	49	41	95 $\frac{2}{3}$
2	4 $\frac{2}{3}$	22	51 $\frac{1}{3}$	42	98
3	7	23	53 $\frac{2}{3}$	43	100 $\frac{1}{3}$
4	9 $\frac{1}{3}$	24	56	44	102 $\frac{2}{3}$
5	11 $\frac{2}{3}$	25	58 $\frac{1}{3}$	45	105
6	14	26	60 $\frac{2}{3}$	46	107 $\frac{1}{3}$
7	16 $\frac{1}{3}$	27	63	47	109 $\frac{2}{3}$
8	18 $\frac{2}{3}$	28	65 $\frac{1}{3}$	48	112
9	21	29	67 $\frac{2}{3}$	49	114 $\frac{1}{3}$
10	23 $\frac{1}{3}$	30	70	50	116 $\frac{2}{3}$
11	25 $\frac{2}{3}$	31	72 $\frac{1}{3}$	51	119
12	28	32	74 $\frac{2}{3}$	52	121 $\frac{1}{3}$
13	30 $\frac{1}{3}$	33	77	53	123 $\frac{2}{3}$
14	32 $\frac{2}{3}$	34	79 $\frac{1}{3}$	54	126
15	35	35	81 $\frac{2}{3}$	55	128 $\frac{1}{3}$
16	37 $\frac{1}{3}$	36	84	56	130 $\frac{2}{3}$
17	39 $\frac{2}{3}$	37	86 $\frac{1}{3}$	57	133
18	42	38	88 $\frac{2}{3}$	58	135 $\frac{1}{3}$
19	44 $\frac{1}{3}$	39	91	59	137 $\frac{2}{3}$
20	46 $\frac{2}{3}$	40	93 $\frac{1}{3}$	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS	Angle	COR. IN LINKS
0		0		0		0	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

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